

FantiniCosmi



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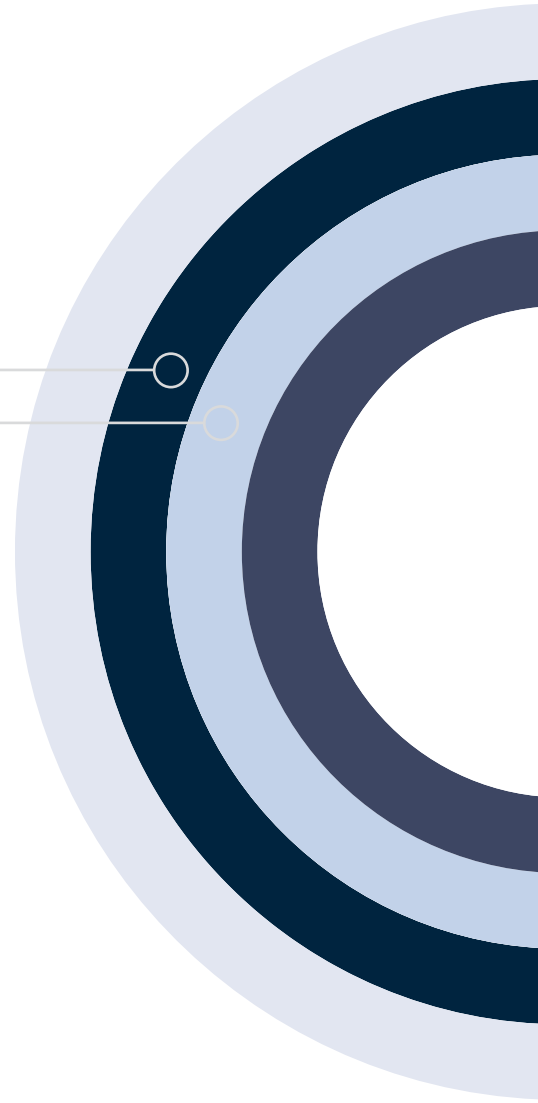
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OUR HISTORY

1931

"Società anonima officine Alberto Fantini & C" is born in Milan.

Intellitherm C21 is the first digital programmable thermostat manufactured in Italy.

1985

2007

Fantini Cosmi takes over the ventilation Company Aspira S.r.l., giving birth to the new Fantini Cosmi Group.



TG and Fancy, two important Italian leading companies in the thermoregulation field, come aboard.

2011

2014

The Group enters in the Smart Home era, launching its first WiFi Smart thermostat.

Innovations continue to grow with the introduction of the first indoor sanitizer in the heat recovery range. Multicomfort is now the new core concept for the Group.

2018



OUR BRANDS



ELECTRICAL AND ELECTRONIC EQUIPMENTS FOR CONTROL AND REGULATION

Fantini Cosmi S.p.A. is one of the leading Italian manufacturers of electrical and electronic equipments, regulation and control systems. Born with the production of maneuvering industrial electric devices, Fantini Cosmi has developed a high experience in different sectors during the recent decades: pressure, flow, level control and temperature regulation in the industrial and domestic fields. The product range is constantly evolving and expanding, to better meet the needs of companies and households, granting the best comfort.



INDUSTRIAL MEASUREMENT DEVICES

TG Italian brand has been always a European leader in the manufacturing of measuring, control and safety devices, addressed to the OEM customers and thermo-hydraulic wholesalers. TG offers high quality products including industrial and room thermostats, pressure gauges, manometers, thermometers and a variety of products for industrial applications. Thanks to the R&D flexibility, TG products are often technically customized to meet specific customer's requests.



DOMESTIC AND INDUSTRIAL VENTILATION SYSTEMS

Aspira is one of the Italian historical brands in the ventilation field. Present on the market for more than 80 years, it offers a wide range of products, starting from the most simple exhaust fans, up to the sophisticated industrial ventilation machines. In the recent years the Aspira flagships are the heat recovery systems, managed locally or remotely by App, including the air sanitisation devices, to complete the Smart Home range and guarantee an healthy life.



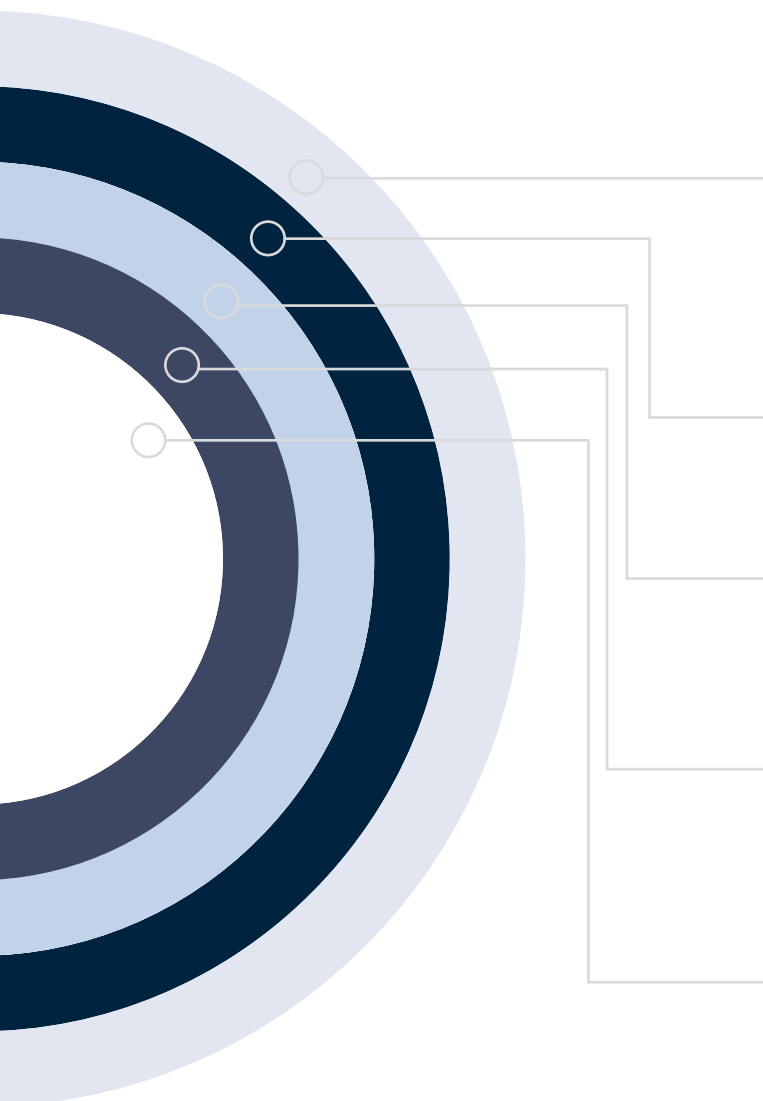
QUALITY AND CERTIFICATIONS

Quality is more than ever a primary form of guarantee, both concerning the protection of the basic needs, health and safety, and also to satisfy the specific construction and performance requirements of products. Fantini Cosmi is able to provide the most important certifications, which represent the best guarantee of a quality assurance.

Fantini Cosmi has been keeping an effective and efficient corporate structure with a management system certification since 1997 according to the UNI EN ISO 9001:2015 with international value obtained by CSQ. As always, the Fantini Cosmi goal is to provide products that are increasingly matching the needs of customers, starting from the analysis and the drafting of a project feasibility, up to the review of internal processes in the production and management, from the staff trainings to the consolidation of the constantly monitored processes.

Fantini Cosmi S.p.A. is also certified ISO 45001:2018, an international standard that defines the requirements for the Occupational Health and Safety Management System.

ISO 14001:2015 has also been achieved recently, whose standards certify the attention paid by the company in preserving the environment.





CE 0497

ERC



Fantini Cosmi guarantees the quality through the Company certifications, as well as those regarding its products, in compliance with the latest European Directives.

For greater protection, some of the Fantini Cosmi products, such as the devices installed in pressure systems, are also certified in accordance with the Directive 97/23/EC (PED), which involves the installations on boilers, pressure vessels, pipes and accessories.

A part of the production has been approved by the following external bodies:

- ENEC for the Fantini Cosmi thermostats and pressure switches;
- TUV and DIN CERTCO for thermostats under the TG brand.

Heat metering systems are also certified according to the Directive 2004/22 / EC (MID), which guarantees the reliability of the measurements detected by the MID devices and a consequent protection of consumers.

To ensure even more accuracy and reliability, Fantini Cosmi holds a specific Quality Control Department and a Laboratory Testing, that regularly perform statistical tests, to verify and guarantee the finished product performances. Additional periodic tests are performed by external laboratories.

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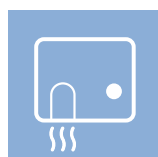
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T01H	E-0	204
T01L	E-0	204
T01M	E-0	204
T01N	E-0	204
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T01Z	E-0	204
T02A	E-0	204
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T02G	E-0	204
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Z30AB	E-0	202
Z30AC	E-0	202
Z30AD	E-0	202
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Z43M	E-0	52
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ZC380	E-0	201
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ZC465	E-0	201
ZC480	E-0	201
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255-08301-10A	TG4	155	3A2-27520-00A	TG6	156	4550-40-0A	TG7	184
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AP0117	AP1	112
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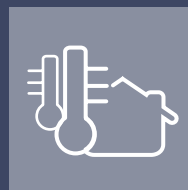
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AP9366	AP4	139
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THERMOREGULATION AND SMART HOME

THERMOSTATS AND TERMOREGULATION SYSTEMS

ROOM THERMOSTATS ■ PROGRAMMABLE THERMOSTATS ■ HYGROSTATS ■ ACCESSORIES ■ WIRELESS
MULTI-ZONE THERMOREGULATION SYSTEMS ■ REMOTE CONTROL ■ COMPONENTS FOR HEATING SYSTEMS
WITH RADIATORS ■ COMPONENTS FOR UNDER FLOOR HEATING SYSTEMS



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INDIRECT HEAT METERING SYSTEMS

HEAT COST ALLOCATORS ■ RADIO MODULE FOR WATER METERS ■ DATA CONCENTRATORS
■ RADIO RECEIVERS ■ RADIO REPEATERS ■ VOLUMETRIC METERS



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DIRECT HEAT METERING SYSTEMS

CALCULATION UNITS ■ DATA CONCENTRATORS ■ HEAT METERS ■ RADIO RECEIVERS ■ RADIO REPEATERS
■ VOLUMETRIC METERS ■ PROBES ■ HYDRAULIC MODULES



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GAS DETECTORS

DOMESTIC GAS DETECTORS ■ SAFETY VALVES ■ GAS KIT



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ROOM THERMOSTATS

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PROGRAMMABLE THERMOSTATS

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ACCESSORIES

PAGE 40



RADIO LORA® MULTI-ZONE THERMOREGULATION SYSTEMS

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HYGROSTATS

PAGE 44



GSM REMOTE CONTROL

PAGE 44






















COMPONENTS FOR HEATING SYSTEMS WITH RADIATORS

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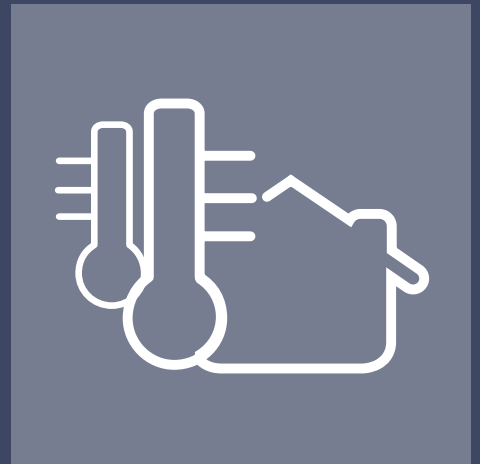


COMPONENTS FOR UNDER FLOOR HEATING SYSTEMS

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-  Flush mounting
-  Wall mounting
-  DIN rail mounting
-  Radiator mounting
-  Under floor heating system
-  230V 230V-50Hz power supply
-  Power supply with batteries
-  Heating and air-conditioning control
-  Heating control
-  2 adjustable temperatures
-  3 adjustable temperatures
-  3 adjustable speeds
-  3 + AUTO adjustable speeds
-  Humidity control
-  Wireless model
-  Remote control via SMS
-  Remote control via APP
-  Valve control
-  € Reading function for thermal and water consumption

THERMOSTATS AND TERMOREGULATION SYSTEMS



ROOM THERMOSTATS

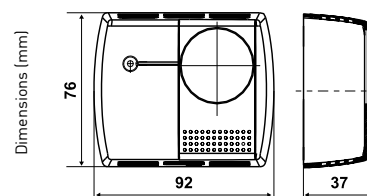
Electromechanical room thermostats



- Temperature range 10 ÷ 30 °C
- Differential 0.8K
- Thermostat body admissible temperature -10 ÷ 50 °C



CODE	TEMPERATURE RANGE	DIFFERENTIAL	OPERATING TEMPERATURE	CONTACT RATING	LED POWER SUPPLY
C16	10 ÷ 30 °C	0,8 K	-10 ÷ 50 °C	10(2,5)A 250Vac	---
C16L	with indicator LED			10(2,5)A 250Vac	230VAC
C16I	with on-off switch			10(2,5)A 250Vac	---
C16IL	with on-off switch and indicator LED			10(2,5)A 250Vac	230VAC
C16EH	with summer-winter switch			10(2,5)A 250Vac	---
C16EHL	with summer-winter switch and indicator LED			10(2,5)A 250Vac	230VAC



COLIBRÌ - Electromechanical room thermostats

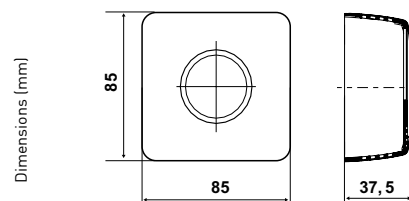


- Temperature range 10 ÷ 30 °C
- Protection rating IP30
- Differential 0.8K
- Thermostat body admissible temperature -10 ÷ 50 °C



CODE	MODEL	TEMPERATURE RANGE	DIFF.	OPERATING TEMPERATURE	CONTACT RATING	LED POWER SUPPLY	PACK QTY
65C-00201-00A	COLIBRÌ 31	10 ÷ 30 °C	0,8 K	-10 ÷ 50 °C	10(2,5)A 250Vac	---	10
65C-01331-00A	COLIBRÌ 32	with indicator LED			10(2,5)A 250Vac	230VAC	10
65C-02331-00A	COLIBRÌ 33	with on-off switch and indicator LED			10(2,5)A 250Vac	230VAC	10
65C-03331-00A	* COLIBRÌ 34	with summer-winter switch and indicator LED			10(2,5)A 250Vac	230VAC	10
65C-00251-00A	* COLIBRÌ 31 GOLD	SPDT gold			10-200mA	---	10

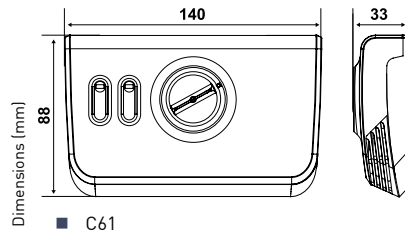
* available upon request



Fan-coil electronic thermostat



CODE	DESCRIPTION	SPEEDS	TEMPERATURE RANGE	POWER SUPPLY
C61	fan-coil thermostat	3 speeds	6 ÷ 30 °C	230Vac



Fan-coil digital thermostat



CODE	DESCRIPTION	SPEEDS	TEMPERATURE RANGE	POWER SUPPLY
CH130ARR2	thermostat + remote relay actuator	3 speeds + AUTO / 0-10V	2 ÷ 40 °C	CH176D actuator

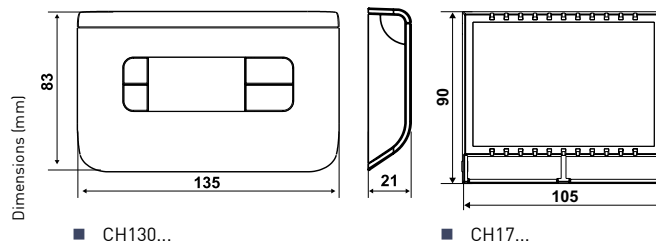
■ Celsius or Fahrenheit display values

WIRELESS VERSION

CH130RFR	wireless thermostat + remote relay actuator	3 speeds	2 ÷ 40 °C	2 batteries AA 1,5V
CH130ARFR	wireless thermostat + remote relay actuator	3 speeds + AUTO	2 ÷ 40 °C	2 batteries AA 1,5V

ADDITIONAL ACTUATORS

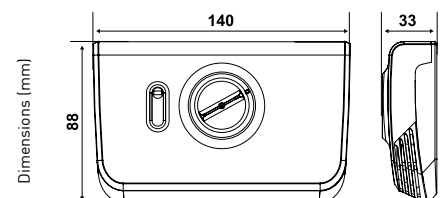
CH172DRF	wireless actuator for CH130RFR and CH130ARFR
CH176D	DIN RAIL actuator for CH130ARR2



Electronic room thermostat



CODE	TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
C60	6 ÷ 30°C	230V-50HZ	6(1,5)A 250Vac

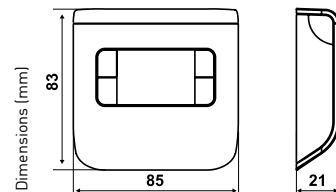


Room thermostats



CODE	COLOUR	TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
CH110	white	2 ÷ 40 °C	2 batteries AAA 1,5V	5(3)A 250Vac
CH111	silver	2 ÷ 40 °C	2 batteries AAA 1,5V	5(3)A 250Vac
CH112	anthracite	2 ÷ 40 °C	2 batteries AAA 1,5V	5(3)A 250Vac
CH110R	room thermostat powered by the wiring center code EVWC8R			see page 53

■ Celsius or Fahrenheit display values

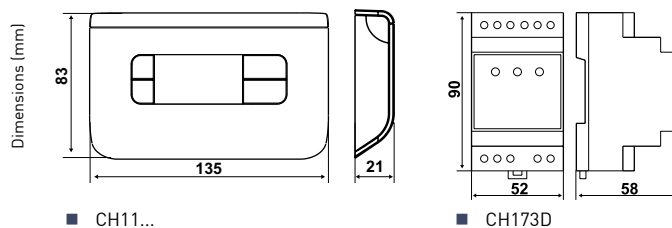


Room thermostats



CODE	COLOUR	TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
CH115	white	2 ÷ 40 °C	2 batteries AA 1,5V	5(3)A 250Vac
CH116	silver	2 ÷ 40 °C	2 batteries AA 1,5V	5(3)A 250Vac
CH117	anthracite	2 ÷ 40 °C	2 batteries AA 1,5V	5(3)A 250Vac
CH115-16	white	2 ÷ 40 °C	2 batteries AA 1,5V	16(4)A 250Vac
WIRELESS VERSION				
CH115RF	white	2 ÷ 40 °C	2 batteries AA 1,5V	5(3)A 250Vac
CH173D	DIN rail actuator for CH115RF		230 Vac 50Hz	5(3)A 250Vac

■ Celsius or Fahrenheit display values



■ CH11...

■ CH173D

Touchscreen room thermostat

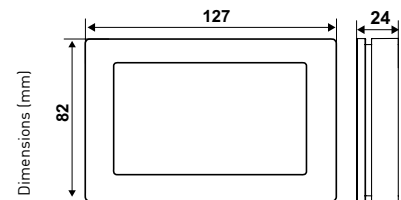


- Positive LCD with white backlighting



CODE	TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
CH120	2 ÷ 40 °C	2 batteries AA 1,5V	5(3)A 250Vac
CH120-230V	2 ÷ 40 °C	230V 50Hz	5(3)A 250Vac

CODE	DESCRIPTION
1598089	stand-alone power supply kit for CH-230Vac/3.3VCC series
1598090	power supply kit for CH120 and CH180 series



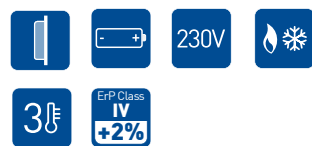
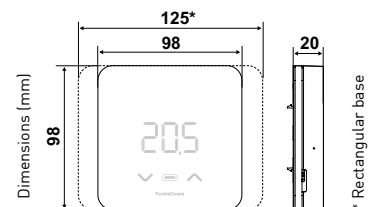
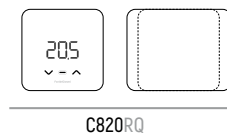
Dual power room thermostat



- Wall mounting
- Square shape
- Additional rectangular base
- ON/OFF or TPI

CODE	TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
C820RQ	2 ÷ 40 °C	2 batteries 1,5V AA or 3,3 Vdc @1500mA Max	5(3)A 250Vac

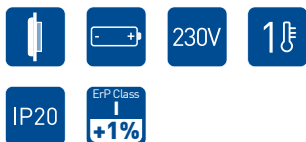
Look at the video instructions on the Fantini Cosmi channel



Flush-mount electronic thermostats



- System status LED indicator (C37-C37B);
- Battery charge indicator LED (C38-C38B);
- Wide range adjustment knob



CODE	COLOUR	TEMPERATURE RANGE	CONTACT RATING	POWER SUPPLY
C37	anthracite	5 ÷ 30 °C	5(3)A-250Vac	230V-50HZ
C37B	white	5 ÷ 30 °C	5(3)A-250Vac	230V-50HZ
C38	anthracite	5 ÷ 30 °C	5(3)A-250Vac	2 batteries AAA 1,5 V
C38B	white	5 ÷ 30 °C	5(3)A-250Vac	2 batteries AAA 1,5 V
1571050	anthracite	adapters for Bticino Living Now plates		
1571051	white	adapters for Bticino Living Now plates		



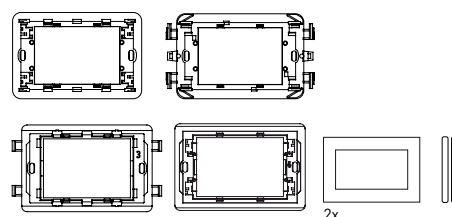
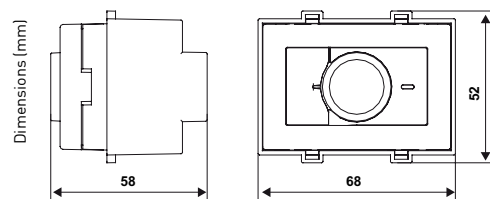
KIT

Kit made up of: thermostat, frames, adaptors and 2 anthracite covers for C37-C38 and 2 white covers for C37B-C38B.

COMPATIBLE PLATES

BTICINO Axolute, Axolute Air, Livinglight Air, Livinglight, Light, Light tech, Matix (only for C37B-C38B), Living (with optional adaptors), Living Now ■ VIMAR Arké, Eikon Evo, Idea, Rondò, Plana, Eikon ■ GEWISS Chorus One, Lux, Art ■ Ave sistema 45: Zama, Banquise, Yes, Ral - Ave sistema 44: Zama, Personal, Tecnopolimero ■ LEGRAND Cross, Vela quadra, Vela tonda ■ ABB Elos, Mylos.

(*) Plates not included in the box.

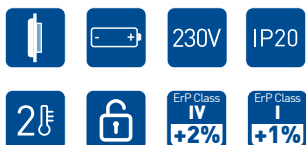


Flush-mount electronic thermostats



C44

- Installation in flush-mount boxes 503-type module



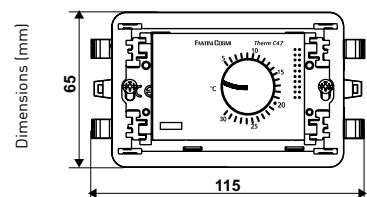
CODE	COLOUR	TEMPERATURE RANGE	CONTACT RATING	POWER SUPPLY	
C44	with display	anthracite	2 ÷ 40 °C	5(3)A-250Vac	230V-50HZ
C44B	with display	white	2 ÷ 40 °C	5(3)A-250Vac	230V-50HZ
C44C	with display	silver	2 ÷ 40 °C	5(3)A-250Vac	230V-50HZ
C47C	with knob	silver	5 ÷ 30 °C	5(3)A-250Vac	230V-50HZ
C47EH	with knob	anthracite	5 ÷ 30 °C	5(3)A-250Vac	230V-50HZ
C47EHB	with knob	white	5 ÷ 30 °C	5(3)A-250Vac	230V-50HZ



COMPATIBLE PLATES

BTICINO Axolute, Livinglight, Light, Light tech, Living ■ VIMAR Idea, Rondò, Plana, Eikon ■ GEWISS Playbus and Playbus Young - AVE Banquise, Ave Yes ■ LEGRAND Vela.

(*) Plates not included in the box.



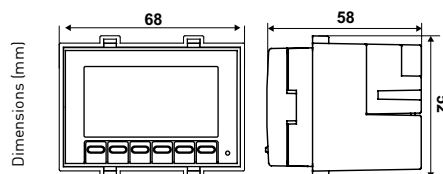
Flush-mount thermostat



- Blue LED backlighting display
- Installation in flush-mount boxes 503-type module



CODE	TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
CH121E	2 ÷ 40 °C	2 batteries AAA 1,5 V	5(3)A 250Vac
CH123E	2 ÷ 40 °C	230V 50Hz	5(3)A 250Vac
1576891	"A" front cover for Bticino Matix GO plate (silver) for CH121-123		
1576892	"C" front cover for VIMAR Linea plate (white) for CH121-123		
1576893	"C" front cover for VIMAR Linea plate (black) for CH121-123		
1576894	"C" front cover for VIMAR Linea plate (sand) for CH121-123		
1576895	kit adapters for Bticino Living Now plate (white) for CH121-123		
1576896	kit adapters for Bticino Living Now plate (black) for CH121-123		
1576897	kit adapters for Bticino Living Now plate (sand) for CH121-123		



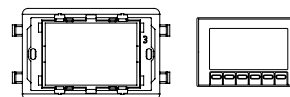
Multiple plate frame

Compatible with the most common plates on the market, thanks to the multi-plate frame.

COMPATIBLE PLATES

BTICINO Matix GO (white) VIMAR Eikon Evo, Arké (white)

(*) Plates not included in the box.



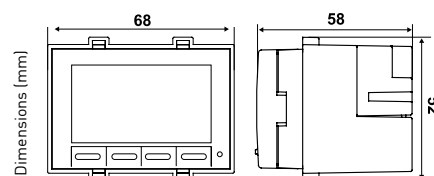
Flush-mount thermostat (kit)



- Blue LED backlighting display
- Installation in flush-mount boxes 503-type module



CODE	TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
CH121	2 ÷ 40 °C	2 batteries AAA 1,5 V	5(3)A 250Vac
CH123	2 ÷ 40 °C	230V 50Hz	5(3)A 250Vac
TOUCHSCREEN VERSION			
CH121TS	2 ÷ 40 °C	2 batteries AAA 1,5 V	5(3)A 250Vac
CH123TS	2 ÷ 40 °C	230V 50Hz	5(3)A 250Vac
1571050	adapters for Bticino Living Now plate (anthracite)		
1571051	adapters for Bticino Living Now plate (white)		



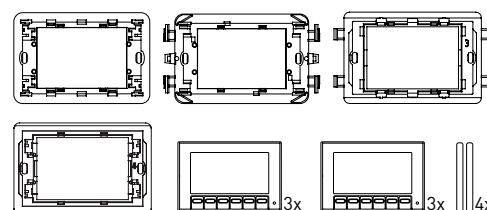
Multi-plate KIT

KIT made up of: thermostat, coloured plates (white, silver and anthracite), frames and adaptors

COMPATIBLE PLATES

BTICINO Axolute, Axolute Air, Livinglight Air, Livinglight, Light, Light tech, Matix, Living ■ VIMAR Arké, Eikon Evo, Idea, Rondò, Plana, Eikon ■ GEWISS Chorus One, Lux, Art ■ Ave sistema 45: Zama, Banquise, Yes, Ral - Ave sistema 44: Zama, Personal, Tecnopolimero ■ LEGRAND Cross, Vela quadra, Vela tonda ■ ABB Elos, Mylos.

(*) Plates not included in the box.

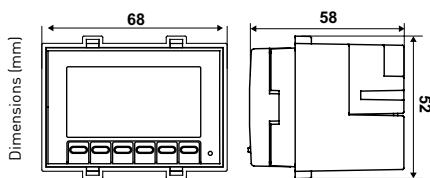


Flush-mount fan-coil thermostats

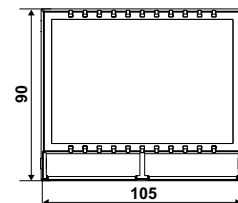


CODE	DESCRIPTION	SPEEDS	TEMPERATURE RANGE	POWER SUPPLY
CH133ARR2	thermostat + CH176D actuator	3 speeds+ AUTO / 0-10V	2 ÷ 40 °C	CH176D actuator
CH176D	additional remote relay actuator to control more CH13..ARR2			
1571050	adapters for Bticino Living Now plate (anthracite)			
1571051	adapters for Bticino Living Now plate (white)			

■ Celsius or Fahrenheit display values



■ CH133..



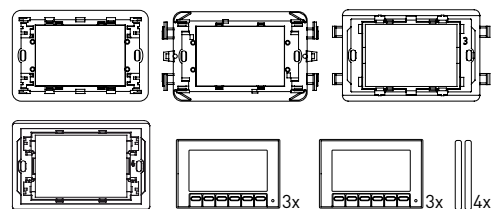
■ CH17..

Multi-plate KIT

KIT made up of: thermostat, COLOURed covers (white, silver and anthracite), frames and adaptors.

COMPATIBLE PLATES

BTICINO Axolute, Axolute Air, Livinglight Air, Livinglight, Light, Light tech, Matix, Living ■ VIMAR Arké, Eikon Evo, Idea, Rondò, Plana, Eikon ■ GEWISS Chorus One, Lux, Art ■ Ave sistema 45: Zama, Banquise, Yes, Ral - Ave sistema 44: Zama, Personal, Tecnopolimero ■ LEGRAND Cross, Vela quadra, Vela tonda ■ ABB Elos, Mylos.



(*) Plates not included in the box.

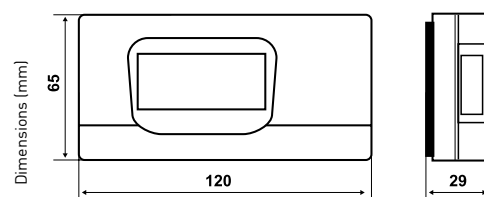
PROGRAMMABLE THERMOSTATS

Weekly programmable thermostat



CODE	COMFORT - ECONOMY TEMPERATURE RANGE	PRE-SET ANTIFREEZE TEMPERATURE	POWER SUPPLY	CONTACT RATING
C31	5 ÷ 40 °C	5 °C	3 batteries AA 1,5 V	5(3)A 250Vac

- Six daily switching points

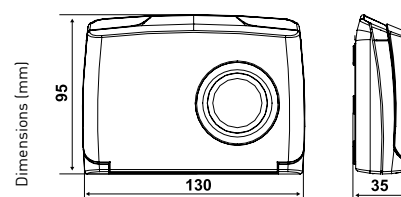


Daily programmable thermostat with mechanical clock



CODE	COMFORT TEMPERATURE RANGE	ECONOMY TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
C32	16 ÷ 34 °C	5 ÷ 23 °C	2 batteries AA 1,5 V	5(2)A 250Vac

- Test button to check battery charge status.



Intellitherm - Weekly and daily programmable thermostats

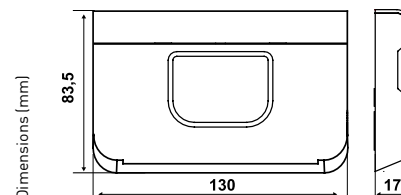


CODE	PROGRAMMING	COLOUR	COMFORT - ECONOMY TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
C57	weekly	white	2 ÷ 62 °C	2 batteries AA 1,5 V	5(3)A 250Vac
C57C	weekly	silver	2 ÷ 62 °C	2 batteries AA 1,5 V	5(3)A 250Vac
C57N	weekly	anthracite	2 ÷ 62 °C	2 batteries AA 1,5 V	5(3)A 250Vac
C57CT	weekly	white	2 ÷ 62 °C	2 batteries AA 1,5 V	5(3)A 250Vac
C57RFR	KIT weekly programmable thermostat + wireless actuator				
C58	daily	white	2 ÷ 62 °C	2 batteries AA 1,5 V	5(3)A 250Vac
C58RFR	KIT daily programmable thermostat + wireless actuator				

- C57CT model suitable for CT3MA GSM remote control



Look at the video instructions on the Fantini Cosmi channel



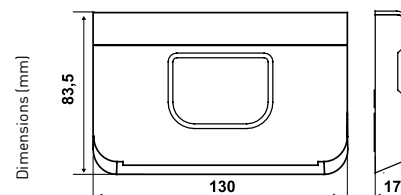
Intellitherm - Weekly and daily programmable thermostats with knobs



CODE	PROGRAMMING	COLOUR	COMFORT TEMPERATURE RANGE	ECONOMY TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
C67	weekly	white	16 ÷ 34 °C	5 ÷ 23 °C	2 batteries AA 1,5 V	5(3)A 250Vac
C68	daily	white	16 ÷ 34 °C	5 ÷ 23 °C	2 batteries AA 1,5 V	5(3)A 250Vac

Look at the video instructions on the Fantini Cosmi channel

- Temperature adjustment with knobs.



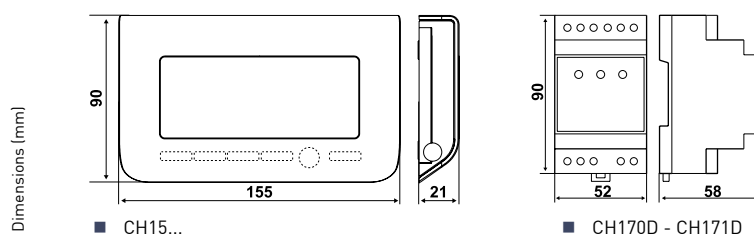
Intellicomfort - Weekly programmable thermostats*



CODE	DESCRIPTION	TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
CH150-16	16A relay	2 ÷ 40 °C	2 batteries AA 1,5V	16(4)A 250Vac
CH150RF	wireless	2 ÷ 40 °C	2 batteries AA 1,5V	5(3)A 250Vac
CH150R	remote relay	2 ÷ 40 °C	via remote relay	5(3)A 250Vac
CH170D	wireless actuator for CH150RF, 230V-50HZ, 5(3)A 250Vac			
CH171D	remote relay for CH150R, 230V-50HZ, 5(3)A 250Vac			

- Wide display with graphic icons
- Models suitable for CT3MA GSM remote control

*product running out of stock

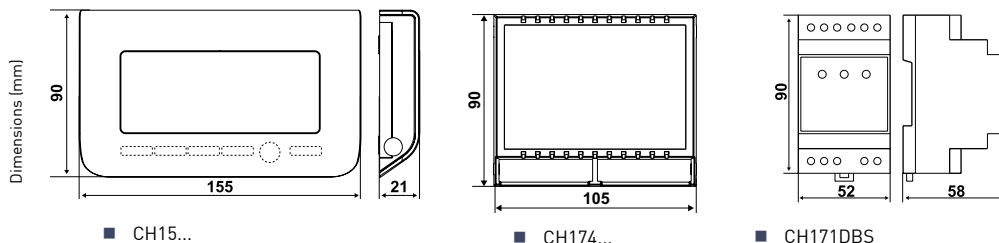


Weekly 3-point/bistable climate controller



CODE	TEMPERATURE RANGE	DIFFERENTIAL	POWER SUPPLY	TEMPERATURE DISPLAYED RANGE	%RH RANGE
CH150REV	2 ÷ 40 °C	0,25 K	by actuator	-30 ÷ 60 °C	20 ÷ 90 %RH
CH174D	6 module DIN rail actuator		230Vac - contact rating 5(3)A 250Vac		
CH150RBS	2 ÷ 40 °C	0,25 K	2 batteries AA 1,5V	-30 ÷ 60 °C	20 ÷ 90 %RH
CH171DBS	3 module DIN rail actuator		230Vac - contact rating 5(3)A 250Vac		

- Wide display with graphic icons
- ErP Class IV; 2%

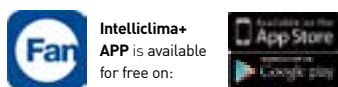


Intellicomfort - Weekly programmable thermostat with integrated GSM



CODE	TEMPERATURE RANGE	DIFFERENTIAL	POWER SUPPLY	CONTACT RATING
CH140GSM2	2 ÷ 40 °C	0,3 ÷ 5 K	230V 50Hz	5(3)A 250Vac

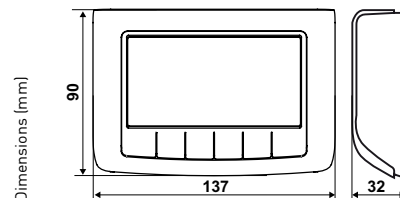
- Integrated GSM modem
- SIM card not included
- ErP Class IV; 2%



FUNCTIONS Via Intelliclima+ APP or SMS the following features are available:

- indoor temperature adjustment
- alarm warnings (temperature threshold exceeded, SIM card expiry notifications, power black out notification, boiler lockout or alarm)
- additional control f.e. of garden irrigation

Look at the video instructions on the Fantini Cosmi channel

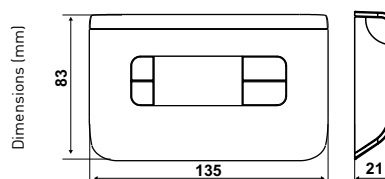
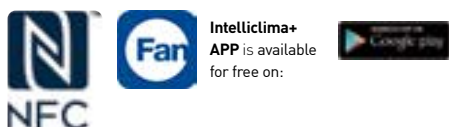


Weekly programmable thermostat with NFC connection



CODE	COLOUR	TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
CH119NFC	white	2 ÷ 40 °C	2 batteries AA 1,5V	5(3)A 250Vac

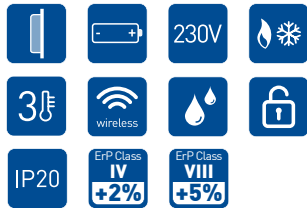
- For the control of heating or cooling systems
- APP Intelliclima+ for NFC Android smartphone



Intellicomfort - Touchscreen weekly programmable thermostat



- White positive backlight LCD touchscreen
- Auxiliary input for external sensor or alarm management (only code CH180 e CH180RF).

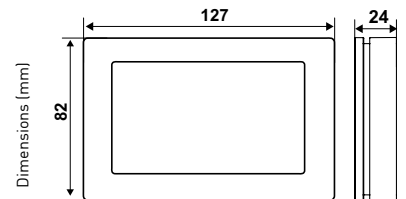


CODE	TEMPERATURE RANGE	ADJUSTABLE ANTIFREEZE TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
CH180	2 ÷ 40 °C	0 ÷ 7 °C	2 batteries AA 1,5V	5(3)A 250Vac
CH180-230V	2 ÷ 40 °C	2 ÷ 7 °C	230V 50Hz	5(3)A 250Vac

1598089 stand-alone power supply kit for CH-230Vac/3.3VCC series

1598090 power supply kit for CH120 and CH180 series

Look at the video instructions on the Fantini Cosmi channel



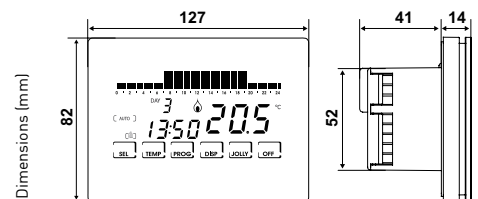
Intellitouch - Weekly semi flush-mount touchscreen programmable thermostat



- Negative LCD display and white back lighting
- Installation in semi flush-mount boxes 503-type module
- Suitable for CT3MA GSM remote control



CODE	FRAME COLOUR	TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
CH193B	white	2 ÷ 40 °C	230V 50Hz	5(3)A 250Vac

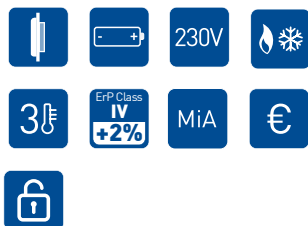


Intellicomfort - Flush-mount weekly programmable thermostat



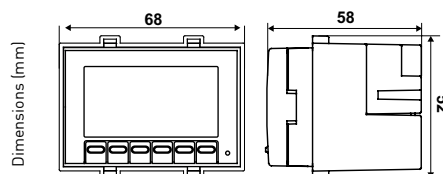
- Blue LED backlighting display
- Installation in flush-mount boxes 503-type module

(*) plates not included in the box.



CODE	TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
CH141E	2 ÷ 40 °C	2 batteries AAA 1,5 V	5(3)A 250Vac
CH143E	2 ÷ 40 °C	230V 50Hz	5(3)A 250Vac
1576884	"A" front cover for Bticino Matix GO plate (silver) for CH141-143		
1576885	"C" front cover for VIMAR Linea plate (white) for CH141-143		
1576886	"C" front cover for VIMAR Linea plate (black) for CH141-143		
1576887	"C" front cover for VIMAR Linea plate (sand) for CH141-143		
1576888	adapters for Bticino Living Now plate (white) for CH141-143		
1576889	adapters for Bticino Living Now plate (black) for CH141-143		
1576890	kit adapters for placche serie Bticino Living Now (sand) for CH141-143		

Look at the video instructions on the Fantini Cosmi channel

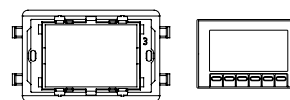


Multiple plate frame

Compatible with most the common plates on the market, thanks to the multiplate frame.

COMPATIBLE PLATES

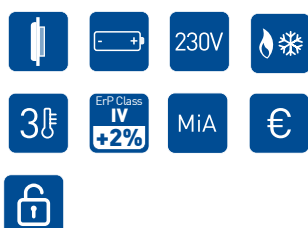
BTICINO Matix GO (white) ■ VIMAR Eikon Evo, Arké (white)



Intellicomfort - Flush-mount weekly programmable thermostats

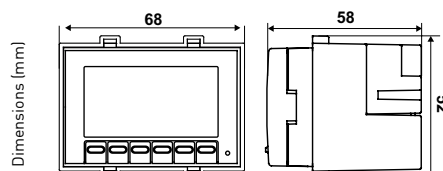


- Blue LED backlighting display
- Installation in flush-mount boxes 503-type module



CODE	COVER COLOUR	TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING
CH141AK	sand, white and black	2 ÷ 40 °C	2 batteries AAA 1,5 V	5(3)A 250Vac
CH143A	silver, white and black	2 ÷ 40 °C	230V 50Hz	5(3)A 250Vac
1576884	"A" front cover for Bticino Matix GO plate (silver) for CH141-143			
1571050	adapters for Bticino Living Now plate (black)			
1571051	adapters for Bticino Living Now plate (white)			
1576902	adapters for Bticino Living Now plate (sand)			
1576885	"C" front cover for VIMAR Linea plate (white) for CH141-143			
1576886	"C" front cover for VIMAR Linea plate (black) for CH141-143			
1576887	"C" front cover for VIMAR Linea plate (sand) for CH141-143			

Look at the video instructions on the Fantini Cosmi channel



(*) plates not included in the box.

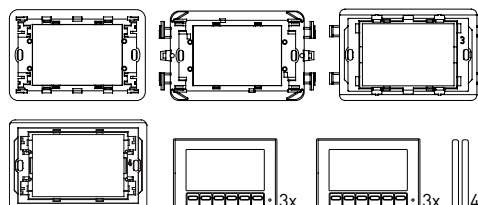
Multiple plate KIT

Kit made up of: thermostat, COLOURED covers (white, silver and anthracite), frames and adaptors.

COMPATIBLE PLATES

BTICINO: Living International and Transizione Piana, Living Now**, Living Light Air, Light e Light tech, Axolute, Axolute Air, Matix (solo bianco), Matix GO** ■ VIMAR: Idea e Rondò, Plana e Eikon, Eikon Evo, Arké, Arké Fit, Linea** ■ GEWISS: Chorus One, Lux, Art, Ego, Geo ■ AVE sistema 45: Zama, Banquise, Yes, RaI - AVE sistema 44: Zama, Personal, Tecnopolimero ■ LEGRAND: cross, Vela quadra, Vela tonda ■ ABB: Elos, Mylos.

** Plates compatible with version CH1_AK. For certain configurations, it is necessary to purchase the corresponding compatibility kit.



C900 series - Smart WiFi programmable thermostat



CODE	COLOUR	TEMPERATURE RANGE	%RH RANGE	POWER SUPPLY	CONTACT RATING
C900Q	white	2 ÷ 40 °C	0 ÷ 99 %, inc. 1 %	2 batteries AA 1,5V	5(3)A 250Vca
C900QN	black	2 ÷ 40 °C	0 ÷ 99 %, inc. 1 %	2 batteries AA 1,5V	5(3)A 250Vca
C900QS	sand	2 ÷ 40 °C	0 ÷ 99 %, inc. 1 %	2 batteries AA 1,5V	5(3)A 250Vca
C900R	white	2 ÷ 40 °C	0 ÷ 99 %, inc. 1 %	2 batteries AA 1,5V	5(3)A 250Vca
C900RN	black	2 ÷ 40 °C	0 ÷ 99 %, inc. 1 %	2 batteries AA 1,5V	5(3)A 250Vca
C900RS	sand	2 ÷ 40 °C	0 ÷ 99 %, inc. 1 %	2 batteries AA 1,5V	5(3)A 250Vca
C800AL	--	--	--	230Vca / 3,3 Vdc @1500mA Max	5(3)A 250Vca



SQUARE BASE

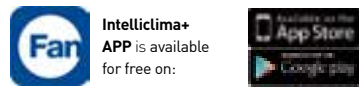


RECTANGULAR BASE

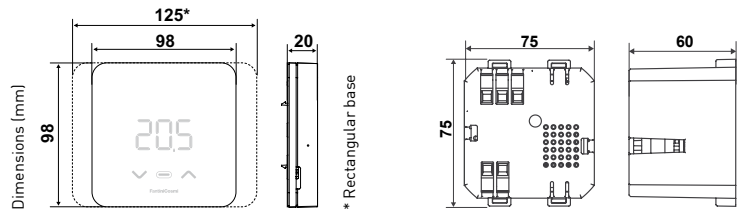


POWER SUPPLY KIT

- Adjusts comfort by evaluating the perceived temperature
- Save energy and optimize consumption thanks to self-learning functions and geolocation
- WiFi connection via Intelliclima+ APP
- Wi-Fi frequency 2.4 GHz;
- Wall mounting (battery-powered) or Flush-mounting (230Vac power supply) in a 500, 502, 503-type module boxes



Look at the video instructions on the Fantini Cosmi channel



ACCESSORIES

Temperature sensors



CODE	TYPE	
EC18	outdoor sensor	CH150 all models - CH180 - CH140GSM2 - CH193WIFI
EC19	floor sensor	CH130 all models - CH180 - CH133RR - CH115-16 - CH140GSM2, C830RL
EC20	ambient sensor	CH150 all models - CH180 - CH140GSM2 - CH193WIFI

RADIO LORA® MULTI-ZONE THERMOREGULATION SYSTEMS

WiFi radio LoRa® multi-zone programmable thermostat

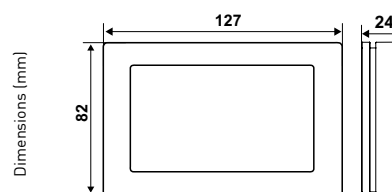
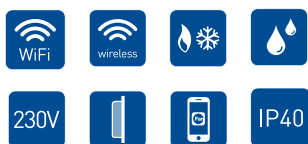


CODE	POWER SUPPLY	TEMPERATURE RANGE	PROTECTION RATING
CH180WIFIRL	230Vac - 50Hz	2 ÷ 30 °C	IP40

- Suitable for heating, cooling and humidity control for individual and multi-zone systems
- White backlighting LCD display
- Supports up to 32 wireless devices and 8 controllable zones
- Remote control via APP from smartphone or tablet



Intelliclima+ APP is available for free on:



Radio LoRa® zone thermostat-hygrostat



CODE	POWER SUPPLY	TEMPERATURE RANGE	PROTECTION RATING
C830RL	2 batteries AA 1,5V	2 ÷ 30 °C	IP32

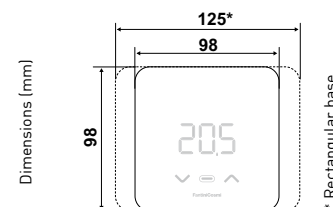
ACCESSORIES

CODE	DESCRIPTION
EC19	Floor temperature sensor NTC 10K (3 m cable)

- Temperature and humidity set-point adjustment
- Screen-cleaning password lock
- White positive backlight LCD touchscreen
- ISM band EU868 transmission frequency
- Wall mounting installation



■ EC19



* Rectangular base

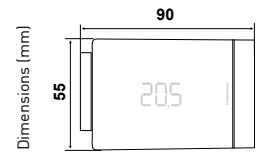
Radio LoRa® radiator thermostat



CODE	POWER SUPPLY	VALVE CONNECTION	TEMPERATURE RANGE
070RL	2 batteries AA 1.5V – LR6	M30x1.5mm	2 ÷ 30°C; increment of 0.1°C

CODE	COMPATIBLE VALVES
309703A	Adapter for IRSAP/CALEFFI valves
309704	Adapter for Giacomini valves
309706A	Adapter for FAR valves

- Valve connection: M30x1.5.
- 3 display orientations
- ISM band EU868 transmission frequency
- Protection rating: IP30



■ CODE 309703A



■ CODE 309704



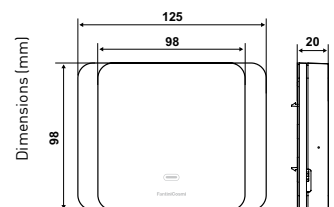
■ CODE 309706A

1-relay radio LoRa® receiver



CODE	POWER SUPPLY	MOUNTING	PROTECTION RATING
CH177RL	230Vac - 50HZ	wall	IP32

- 1-relay configurable for: boilers, heat pumps, zone valves, cooling systems, dehumidifiers, MVHR, irrigation systems and other devices
- Complies with: EN 60730-1, Directive 2014/53/EU (RED), R&TTE
- Directives EN300 220-3, EN 301 489-03
- ISM band EU868 transmission frequency
- Contact rating: 16(4)A – 250Vac



Radio LoRa® multi-system climate regulator



CODE	TEMPERATURE RANGE	POWER SUPPLY	CONTACT RATING	POWER CONSUMPTION	PROTECTION RATING
EV200RL	0 ÷ 120°C	230Vac - 50HZ	7 relays (2A - 250Vac)	10W max (excluding loads)	IP52

- It controls the electrothermal heads of the manifold and manages the mixing and activation of the secondary circuit (pump and mixing valve for heating/cooling)
- Paired with the EC18RL radio LoRa® outdoor temperature sensor, it regulates and optimizes the system's operation
- EC17 temperature sensor is mandatory for the climate control. An additional EC17 (optional) may be connected to achieve a better regulation

ACCESSORIES

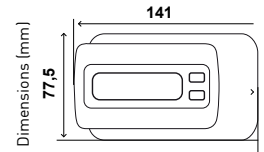
CODE	DESCRIPTION
EC15	Contact temperature sensor, NTC 10K
EC16A	Immersion probe, NTC 10K (cable not included)
EC17	Temperature sensor for well, NTC 10K (2 m cable)
EC18RL	Radio LoRa® outdoor temperature sensor



230V



Configuration via
FAN BUILDER
App



■ CODE EC15



■ CODE EC16A



■ CODE EC17



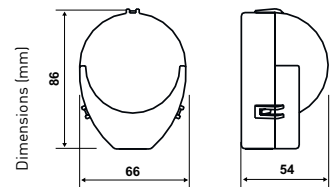
■ CODE EC18RL

Radio LoRa® outdoor temperature sensor



CODE	OPERATING TEMPERATURE	MOUNTING	PROTECTION RATING
EC18RL	-30 ÷ 60°C	a parete	IP55

- Housing made of thermoplastic material
- Temperature-sensitive element with NTC thermistor
- Power supply: 3V CR123/A battery
- Radio transmission frequency: LoRa® ISM band EU868



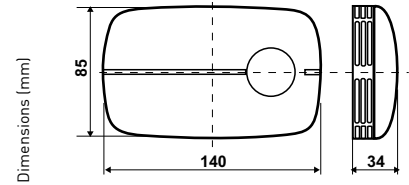
230V

HYGROSTATS

Electronic room hygrostat



CODE	%RH RANGE	DIFFERENTIAL	POWER SUPPLY	CONTACT RATING
D40	30 ÷ 90	5 %RH	230Vac 50Hz	6(3)A 250Vac



GSM REMOTE CONTROL

GSM remote control



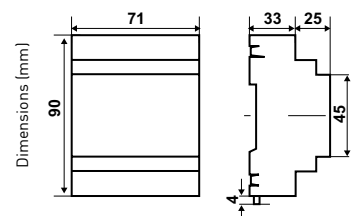
CODE	ANTENNA	POWER SUPPLY	CONSUMPTION W	PROTECTION RATING
CT3MA	external	10 ÷ 20 Vdc or Vac	10 max	IP40 back panel
1560053	lithium battery back-up to send alarm messages in case of power failure			
1590029	rechargeable battery 12V-1,2Ah			
N70A	power supply and battery charger			



- 1 output relay 4(2)A-250Vac
- 2 voltage-free alarm inputs
- LED signal strength

CONNECTABLE PRODUCTS

Intellitouch series	CH193B
Intellicomfort series	CH150 - CH150RF
Intellitherm series	C57CT



COMPONENTS FOR HEATING SYSTEMS WITH RADIATORS

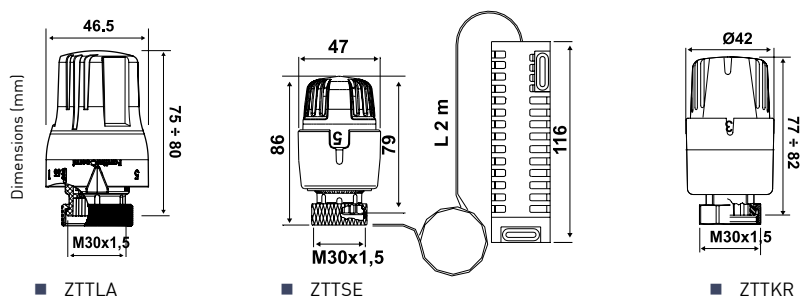
Manual radiator thermostats



CODE	DESCRIPTION	SUITABLE FOR	TEMPERATURE RANGE	ANTIFREEZE POSITION	SENSING ELEMENT
ZTTLA	manual	valves series 158...	6 ÷ 30 °C	6 °C	high expandability liquid
ZTTSE	with external sensor	valves series 158... 159...	10 ÷ 30 °C	7 °C	integrated liquid
ZTTKR*	chrome plated finishing	valves series 158... 159...	8 ÷ 30 °C	8 °C	integrated liquid

* available upon request

■ Connection M30x1,5mm.



Wireless radiator thermostat

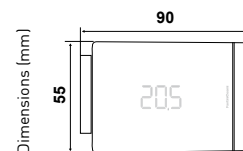


LoRa

CODE	POWER SUPPLY	VALVE CONNECTION	TEMPERATURE RANGE
O70RL	2 batteries AA 1.5V - LR6	M30x1.5mm	2 ÷ 30°C; increment of 0.1°C

CODE	COMPATIBLE VALVES
309703A	Adapter for IRSAP/CALEFFI valves
309704	Adapter for Giacomini valves
309706A	Adapter for FAR valves

- Valve connection: M30x1.5.
- 3 display orientations
- ISM band EU868 transmission frequency
- Protection rating: IP30



■ CODE 309703A



■ CODE 309704



■ CODE 309706A

Electronic radiator programmable thermostat

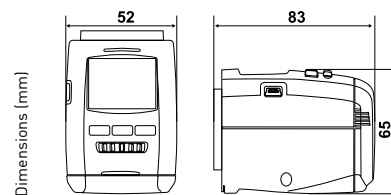


- Weekly program
- 4 daily activation time bands



CODE	POWER SUPPLY	TEMPERATURE RANGE	CONNECTION
062C	2 batteries AA 1,5V	8 ÷ 28 °C	M30x1,5mm
064P	programmer for 062C		

CODE	DESCRIPTION
309703A	Adapter for IRSAP/CALEFFI valves
309704	Adapter for Giacomini valves
309705	Adapter for Herz valves
309706A	Adapter for FAR valves



■ CODE 309703A



■ CODE 309704



■ CODE 309705



■ CODE 309706A

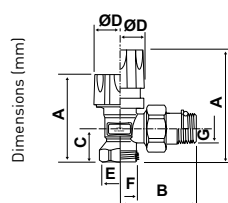
Thermostatic radiator valves with pre-setting, 158 series



CODE	FINISH	DN	PIPE CONNECTION	TYPE	RADIATOR CONNECTION	MAXIMUM PRESSURE
1583068	brass	DN10 3/8	iron	angle	3/8"	10 bar
1583069	brass	DN15 1/2	iron	angle	1/2"	10 bar
1583070	brass	DN20 3/4	iron	angle	3/4"	10 bar
1583071	brass	DN10 3/8	iron	straight	3/8"	10 bar
1583072	brass	DN15 1/2	iron	straight	1/2"	10 bar
1583073	brass	DN20 3/4	iron	straight	3/4"	10 bar
1583074	brass	DN10 3/8	eurocone copper	angle	3/8"	10 bar
1583075	brass	DN15 1/2	eurocone copper	angle	1/2"	10 bar
1583076	brass	DN10 3/8	eurocone copper	straight	3/8"	10 bar
1583077	brass	DN15 1/2	eurocone copper	straight	1/2"	10 bar
1583177EK *	brass	DN15 1/2	eurocone copper	reversible body	1/2"	10 bar
1583120EK *	brass	DN15 1/2	iron	reversible body	1/2"	10 bar
1583124KR *	chrome plated	DN15 1/2	eurocone copper	straight	1/2"	10 bar
1583125KR *	white chrome plated	DN15 1/2	eurocone copper	straight	1/2"	10 bar
1583126KR *	chrome plated	DN15 1/2	eurocone copper	angle	1/2"	10 bar
1583127KR *	white chrome plated	DN15 1/2	eurocone copper	angle	1/2"	10 bar
1583128KR *	chrome plated	DN15 1/2	eurocone copper	right coaxial	1/2"	10 bar
1583129KR *	white chrome plated	DN15 1/2	eurocone copper	right coaxial	1/2"	10 bar
1583130KR *	chrome plated	DN15 1/2	eurocone copper	left coaxial	1/2"	10 bar
1583131KR *	white chrome plated	DN15 1/2	eurocone copper	left coaxial	1/2"	10 bar

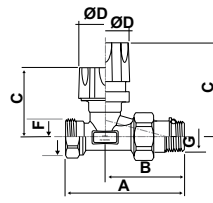
* available upon request

- Suitable for: ZTTLA, ZTTSE, O62C, O81RF
- Maximum temperature 120°C
- Knob in ABS white RAL9010



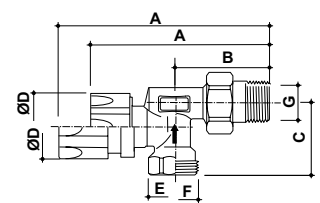
■ iron/copper angle

	A	B	C	D	E	F	G
1583068	58	50	20	37	G3/8	-	R3/8
1583069	61	54	23	37	G1/2	-	R1/2
1583070	62	62	27	37	G3/4	-	R3/4
1583074	57	50	19	37	-	G3/4EK	R3/8
1583075	60	54	22	37	-	G3/4EK	R1/2



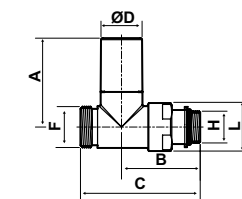
■ iron/copper straight

	A	B	C	D	E	F	G
1583071	76	51	47	37	G3/8	-	R3/8
1583072	83	55	47	37	G1/2	-	R1/2
1583073	97	65	48	37	G3/4	-	R3/4
1583076	77	52	47	37	-	G3/4EK	R3/8
1583077	82	55	46	35	-	G3/4EK	R1/2



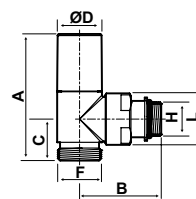
■ reversible body

	A	B	C	D	E	F	G
1583177EK	95	52	39	37	-	G3/4EK	R1/2
1583120EK	95	52	40	37	G1/2	-	R1/2



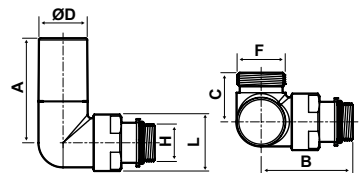
■ chrome plated straight

	A	B	C	D	F	H	L
1583124KR	48	51	78	37	G3/4EK	G1/2	28
1583125KR	48	51	78	37	G3/4EK	G1/2	28



■ chrome plated angle

	A	B	C	D	F	H	L
1583126KR	67	50	25	37	G3/4EK	G1/2	28
1583127KR	67	50	25	37	G3/4EK	G1/2	28



■ chrome plated coaxial

	A	B	C	D	F	H	L
1583128KR	48	51	27	37	G3/4EK	G1/2	28
1583129KR	48	51	27	37	G3/4EK	G1/2	28
1583130KR	48	51	27	37	G3/4EK	G1/2	28
1583131KR	48	51	27	37	G3/4EK	G1/2	28

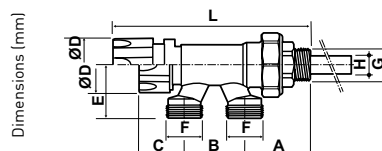
Thermostatic radiator valves, single pipe, 158 series



CODE	DN	PIPE CONNECTION	RADIATOR CONNECTION	MAXIMUM TEMPERATURE	MAXIMUM PRESSURE
1583155FS *	DN15 1/2	copper M24x19	1/2"	120° C	10 bar
1583156FS *	DN20 3/4	copper M24x19	3/4"	120° C	10 bar

* available upon request

- Suitable for: ZTTLA, ZTTSE, O62C, O81RF



	A	B	C	D	E	F	G	H	L
1583155FS	46	40	30	37	35	M24x19	G1/2	12	115
1583156FS	46	40	30	37	35	M24x19	G3/4	16	115



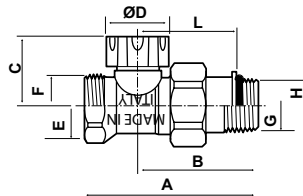
Lockshield valves, 158 series



CODE	FINISH	DN	PIPE CONNECTION	TYPE	INPUT/OUTPUT	MAXIMUM TEMPERATURE
1583078	brass	DN10 3/8	iron	angle	3/8"	120°C
1583079	brass	DN15 1/2	iron	angle	1/2"	120°C
1583080	brass	DN20 3/4	iron	angle	3/4"	120°C
1583081	brass	DN10 3/8	iron	straight	3/8"	120°C
1583082	brass	DN15 1/2	iron	straight	1/2"	120°C
1583083	brass	DN20 3/4	iron	straight	3/4"	120°C
1583084	* brass	DN10 3/8	EK copper	angle	3/8"	120°C
1583085	* brass	DN15 1/2	EK copper	angle	1/2"	120°C
1583086	* brass	DN10 3/8	EK copper	straight	3/8"	120°C
1583087	* brass	DN15 1/2	EK copper	straight	1/2"	120°C
1583132KR	* chrome plated	DN15 1/2	eurocone copper	straight	1/2"	120°C
1583133KR	* white chrome plated	DN15 1/2	eurocone copper	straight	1/2"	120°C
1583134KR	* chrome plated	DN15 1/2	eurocone copper	angle	1/2"	120°C
1583135KR	* white chrome plated	DN15 1/2	eurocone copper	angle	1/2"	120°C
1583136KR	* chrome plated	DN15 1/2	eurocone copper	right coaxial	1/2"	120°C
1583137KR	* white chrome plated	DN15 1/2	eurocone copper	right coaxial	1/2"	120°C
1583138KR	* chrome plated	DN15 1/2	eurocone copper	left coaxial	1/2"	120°C
1583139KR	* white chrome plated	DN15 1/2	eurocone copper	left coaxial	1/2"	120°C

* available upon request

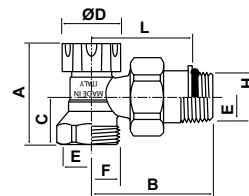
- Micrometric regulation
- Maximum pressure 10 bar
- Seal on the gland with EPDM o-ring
- Seal on the spindle with o-ring
- Threaded according to UNI ISO 228
- Brass body



■ iron/copper straight

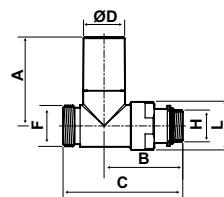
Dimensions (mm)

	A	B	C	D	E	F	G
1583081	65	45	28	25	G3/8	-	R3/8
1583082	69	48	27	25	G1/2	-	R1/2
1583083	80	56	29	25	G3/4	-	R3/4
1583086	65	45	28	25	-	G3/4EK	R3/8
1583087	69	48	28	25	-	G3/4EK	R1/2



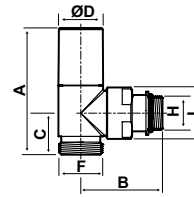
■ iron/copper angle

	A	B	C	D	E	F	G
1583078	40	49	18	25	G3/8	-	R3/8
1583079	42	52	20	25	G1/2	-	R1/2
1583080	47	61	25	25	G3/4	-	R3/4
1583084	42	49	20	25	-	G3/4EK	R3/8
1583085	42	52	20	25	-	G3/4EK	R1/2



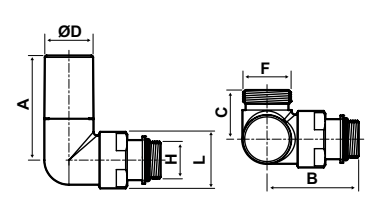
■ chrome plated straight

	A	B	C	D	F	H	L
1583132KR	42	51	78	27	G3/4EK	G1/2	28
1583133KR	42	51	78	27	G3/4EK	G1/2	28



■ chrome plated angle

	A	B	C	D	F	H	L
1583134KR	62	50	25	27	G3/4EK	G1/2	28
1583135KR	62	50	25	27	G3/4EK	G1/2	28



■ chrome plated coaxial

	A	B	C	D	F	H	L
1583136KR	42	51	27	27	G3/4EK	G1/2	28
1583137KR	42	51	27	27	G3/4EK	G1/2	28
1583138KR	42	51	27	27	G3/4EK	G1/2	28
1583139KR	42	51	27	27	G3/4EK	G1/2	28

Fittings for thermostatic and lockshield valves, 158 series



CODE	TYPE
FITTINGS FOR THERMOSTATIC AND LOCKSHIELD VALVES	
1583088	Fitting for polyethylene pipe - eurocone threaded - 10x1.2
1583089	Fitting for polyethylene pipe - eurocone threaded - 12x1.5
1583090	Fitting for polyethylene pipe - eurocone threaded - 12x2
1583091	Fitting for multilayer polyethylene pipe- eurocone threaded - 14x2
1583092	Fitting for multilayer polyethylene pipe- eurocone threaded - 15x1.5
1583093	Fitting for multilayer polyethylene pipe- eurocone threaded - 16x2
1583094	Fitting for multilayer polyethylene pipe- eurocone threaded - 16x2.5
1583095	Fitting for multilayer polyethylene pipe- eurocone threaded - 17x2
1583096	Fitting for multilayer polyethylene pipe- eurocone threaded - 17x2.5
1583097	Fitting for multilayer polyethylene pipe- eurocone threaded - 17x2.75
1583098	Fitting for multilayer polyethylene pipe- eurocone threaded - 18x2
1583099	Fitting for multilayer polyethylene pipe- eurocone threaded - 20x2
1583100	Fitting for multilayer polyethylene pipe- eurocone threaded - 20x2.25
1583101	* Fitting for multilayer polyethylene pipe- eurocone threaded - 20x2.5
1583102	Fitting for copper pipe - eurocone threaded - 10mm
1583103	Fitting for copper pipe - eurocone threaded - 12mm
1583104	Fitting for copper pipe - eurocone threaded - 14mm
1583105	Fitting for copper pipe - eurocone threaded - 15mm
1583106	Fitting for copper pipe - eurocone threaded - 16mm
1583107	Fitting for copper pipe - eurocone threaded - 18mm
FITTINGS FOR SINGLE PIPE THERMOSTATIC RADIATOR VALVES	
1583157FS	* Fitting for copper pipe - threaded 24x19 - 10mm
1583158FS	* Fitting for copper pipe - threaded 24x19 - 12mm
1583159FS	* Fitting for copper pipe - threaded 24x19 - 14mm
1583160FS	* Fitting for copper pipe - threaded 24x19 - 15mm
1583161FS	* Fitting for copper pipe - threaded 24x19 - 16mm
1583162FS	* Fitting for polyethylene pipe - threaded 24x19 - 10.5x1.25
1583163FS	* Fitting for polyethylene pipe - threaded 24x19 - 12x1
1583164FS	* Fitting for polyethylene pipe - threaded 24x19 - 12x1.5
1583165FS	* Fitting for polyethylene pipe - threaded 24x19 - 12x2
1583166FS	* Fitting for multilayer polyethylene pipe- threaded 24x19 - 14x2
1583167FS	* Fitting for multilayer polyethylene pipe- threaded 24x19 - 16x2
1583168FS	* Fitting for multilayer polyethylene pipe- threaded 24x19 - 16x2.25
1583169FS	* Fitting for multilayer polyethylene pipe- threaded 24x19 - 16.5x3
1583170FS	* Fitting for multilayer polyethylene pipe- threaded 24x19 - 17x2.75
1583171FS	* Fitting for multilayer polyethylene pipe- threaded 24x19 - 17x2
1583172FS	* Fitting for multilayer polyethylene pipe- threaded 24x19 - 17x2.5
1583173FS	* Fitting for multilayer polyethylene pipe- threaded 24x19 - 18x2
1583174FS	* Fitting for multilayer polyethylene pipe- threaded 24x19 - 20x2
1583175FS	* Fitting for multilayer polyethylene pipe- threaded 24x19 - 20x2.25
1583176FS	* Fitting for multilayer polyethylene pipe- threaded 24x19 - 20x2.5
FITTINGS FOR VALVES, LOCK SHIELDS, CHROME PLATED HEAD	
1583140KR	* Chrome plated fitting for copper pipe - eurocone threaded - 10mm
1583141KR	* Chrome plated fitting for copper pipe - eurocone threaded - 12mm
1583142KR	* Chrome plated fitting for copper pipe - eurocone threaded - 14mm
1583143KR	* Chrome plated fitting for copper pipe - eurocone threaded - 15mm
1583144KR	* Chrome plated fitting for copper pipe - eurocone threaded - 16mm
1583145KR	* Chrome plated fitting for multilayer polyethylene pipe - eurocone threaded - 14x2
1583146KR	* Chrome plated fitting for multilayer polyethylene pipe- eurocone threaded - 16x2
1583147KR	* Chrome plated fitting for multilayer polyethylene pipe- eurocone threaded - 17x2
1583148KR	* Chrome plated fitting for multilayer polyethylene pipe- eurocone threaded - 18x2
1583149KR	* Chrome plated fitting for multilayer polyethylene pipe- eurocone threaded - 20x2

* available upon request

Accessories for 158 series



CODE	TYPE
1583122	* thermostatic gland with pre-setting
1583123	* EPDM o-ring for thermostatic valves
1583114	* key to replace the thermostatic gland

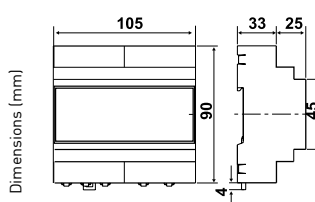
* available upon request

COMPONENTS FOR UNDER FLOOR HEATING SYSTEMS

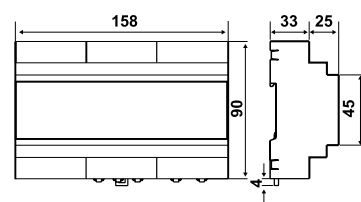
4-8 channels connection bar with timer inputs and safety thermostat



CODE	INPUTS	OUTPUTS	MOUNTING	MAX. LOAD	CONSUMPTION
EVWC4L	4 for ON/OFF room thermostats 1 for safety thermostat 1 for timer	4 for thermal actuators	6 MODEL DIN-rail	3A	2.5 VA
EVWC8L	8 for ON/OFF room thermostats 1 for safety thermostat 1 for timer	8 output for thermal actuators	9 MODEL DIN-rail	3A	2.5 VA



■ EVWC4L

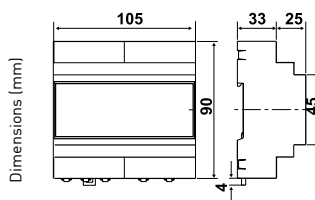


■ EVWC8L

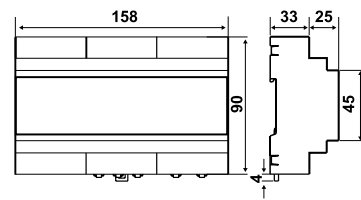
4-8 channels connection bar with timer inputs, safety thermostat and circulation pump control



CODE	INPUTS	OUTPUTS	MAX. LOAD	MOUNTING	CONSUMPTION
EVWC4	4 for ON/OFF room thermostats 1 for safety thermostat 1 for timer	4 for thermal actuators and circulation pump control	3A	6 MODEL DIN-rail	2.5 VA
EVWC8	8 for ON/OFF room thermostats 1 for safety thermostat 1 for timer	8 for thermal actuators and circulation pump control	3A	9 MODEL DIN-rail	2.5 VA



■ EVWC4



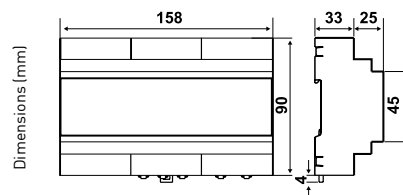
■ EVWC8

8 inputs/8 outputs connection bar for CH110R remote powered thermostat



CODE	INPUTS	OUTPUTS	CONTACT RATING	CIRCULATION PUMP RELAY
EVWC8R	8 inputs for room thermostats or CH110R remote powered thermostat	8 outputs for thermal actuators and circulation pump control	5(3)A	8(5)A

- Selectors for the association between inputs and outputs
- Consumption 2.5 VA
- 9 MODEL DIN-rail mounting

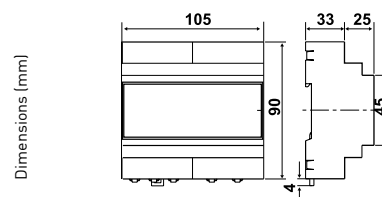


Climatic control unit for underfloor heating and cooling systems



CODE	POWER SUPPLY	CONTACT RATING	OPERATING TEMPERATURE	CONSUMPTION	PROTECTION RATING
EV84A	230V 50Hz	5(3)A - 250Vac	0 ÷ 50 °C	4 VA	IP40 back panel

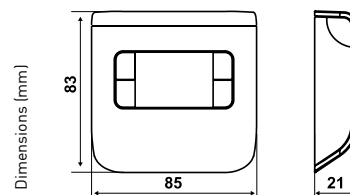
- 6 module DIN-rail mounting
- Humidity regulation
- 3 output relays
- 3 analog inputs to control the external, limit and supply temperature
- 1 hygrostat input
- 1 digital summer/winter input



Remotely powered room thermostat



CODE	COLOUR	TEMPERATURE RANGE	POWER SUPPLY
CH110R	white	2 ÷ 40 °C	24Vdc supply from the connection bar EVWC8R

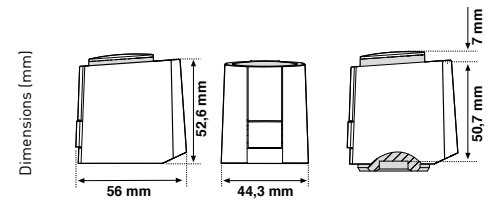


Electrothermal actuator



CODE	POWER SUPPLY	RUNNING TIME	MAX STROKE	INTEGRATED AUXILIARY CONTACT	WITHOUT VOLTAGE
O42NCMAUX	230V 50/60Hz	4 min	5 mm	yes	closed valve

- Suitable for Z4... valves
- Working absorbed power: 1.5W
- Starting absorbed power: 36W
- Axial force 100N.
- Connection M30x1.5

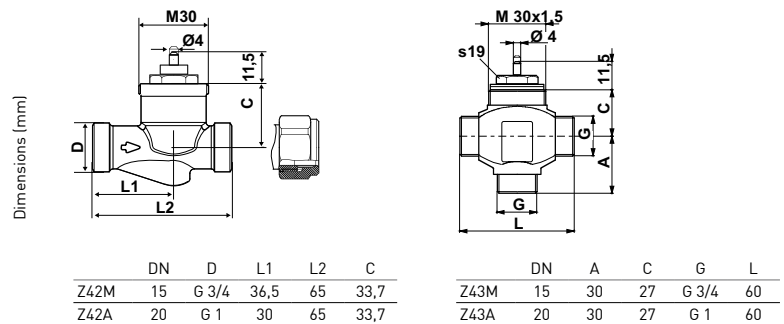


Zone valves with external threaded connection



CODE	DN NOMINAL DIAMETER	TYPE	KVS	CONNECTION	STROKE
Z42M	15	2 ways	3.5	G3/4B	4 mm
Z42A	20	2 ways	4.5	G1B	4 mm
Z43M	15	3 ways	4.0	G3/4B	3.7 mm
Z43A	20	3 ways	5.0	G1B	3.7 mm
1592022	threaded connection with flat gasket 1/2" M 3/4" F				
1592023	threaded connection with flat gasket 3/4" M 1" F				

- Suitable for O41NCMAUX electrothermal actuator
- Nominal pressure PN 16.
- Bronze valve body (2-ways)
- Nickel-plated brass body (3-ways)







INDIRECT
HEAT METERING
SYSTEMS

PAGE 56



DIN rail
mounting



Wall
mounting



Radiators
mounting



Wireless M-Bus data
transmission



Wired M-Bus data
transmission



MID 2004/22/EC
approval



Protection rating
IP68

INDIRECT HEAT METERING SYSTEMS



INDIRECT HEAT METERING SYSTEMS

Heat cost allocator

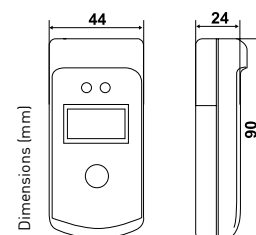


- 2 temperature sensors
- Consumption/temperature average log up to 24 previous months
- Mounting kit for all types of radiators



CODE	SENSORS	DATA READING	POWER SUPPLY	DISPLAY
ECVRB	2 internal	optical + Wireless M-Bus	batteries	6 digit LCD
ECVRBSE	1 internal + 1 external	optical + Wireless M-Bus	batteries	6 digit LCD
ECVK1	Mounting kit for neoclassic cast iron radiators, cast iron radiators with baffle, decorative radiators/towel rails			
ECVK3	Mounting kit for cast iron plate-type radiators			
ECVK4	Mounting kit for steel tubular radiators (h>120cm) and decorative radiators/towel rails			
ECVK1A	Mounting kit for steel radiators with baffle and decorative radiators/towel rails			
ECVK2	Mounting kit for decorative radiators/towel rails			
ECVK3A	Mounting kit for aluminium radiators			
ECVK5	Mounting kit for smooth or ribbed panel-type radiators			
1592293 *	Sticking kit for ECVK5			
ECVK6	Mounting kit for lamellar radiators			
ECVK10	Mounting kit for standard radiators (25 pcs./box)			

* available upon request



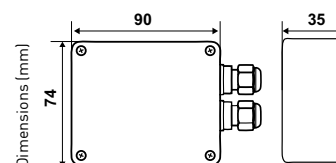
Radio module for meters with pulse output



- Suitable to interface volumetric pulse meters with wireless readers / data displays
- Wireless transmission: 868 MHz
- MBUS OMS standard EN 13757-4



CODE	POWER SUPPLY	INPUT	OUTPUT	PROTECTION RATING
ECV-TXE	Lithium battery 3.6V Li-SOCI2	2 reed sensors	M-Bus Wireless	IP65



USB reader



CODE	DESCRIPTION
ECVUSBO	Optical pen drive
ECVSW	Configuration software and data reading

USB radio receiver



CODE	COMMUNICATION BAND	RADIO RANGE under optimal ambient conditions	CONNECTION AND POWER SUPPLY	PROTECTION RATING
ECVUSBR	868MHz	up to 400 meters*	USB	IP50

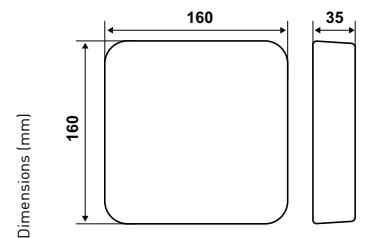
- Dimensions 65x22x15 mm.

Radio repeater



CODE	M-BUS INTERFACE	COMMUNICATION BAND	MAX TRANSMISSION POWER	POWER SUPPLY	PROTECTION RATING
ECVRRB	OMS Wireless	868 MHz	27 dBm	100 - 240 Vac	IP40

- Manages up to 500 devices
- Web interface with ECVCONB

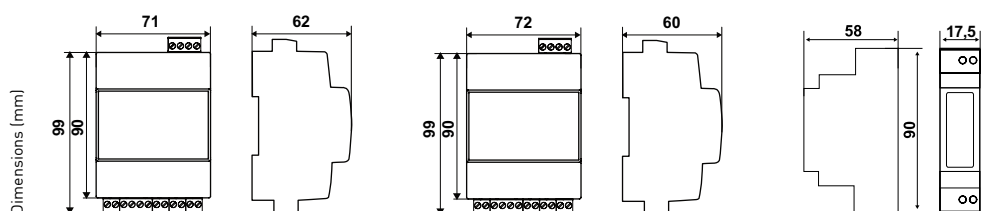


OMS wireless and wired M-BUS datalogger



CODE	M-BUS INTERFACE	POWER SUPPLY	PROTECTION RATING
ECVCON2	W.M-Bus + OMS wireless	24Vac/dc	IP20
ECC60MBUS	M-BUS converter	24Vdc +/-10%	IP20
ODAL3	24Vdc - 2A power supply module with built-in Bus socket		

- W.M-Bus 868 MHz protocol
- Manages up to 2500 M-BUS wireless devices
- Manages up to 500 wired M-BUS devices
- 3 digital inputs and 2 output relays
- DIN rail mounting 35mm (EN60715) (5 modules).



■ ECVCON2

■ ECC...

■ ODAL3

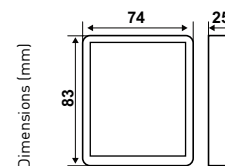
4G LTE router



- Power supply included
- LAN-WAN ethernet ports
- GSM and Wi-Fi antennas

CODE	DESCRIPTION	SUITABLE FOR
ECVRT2	4G LTE router - Industrial Cat 4 up to 150Mbps	ECVCON2

- Compact size, easy integration
- Digital input/output for the remote management
- Wireless Access Point with hotspot and station functioning



Single-jet volumetric meters for domestic hot water



- K=10 liters / pulse
- Vertical, horizontal or oblique mounting
- Fittings not included

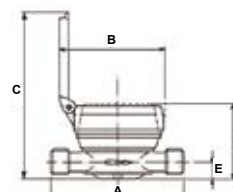
IP68

MID

CODE	NOMINAL SIZE INCH - DN	PERMANENT FLOW RATE Q3	MAXIMUM FLOW RATE Q4	MINIMUM FLOW RATE Q1	TEMPERATURE CLASS
ECCS15GSA	1/2" - 15 mm	2.5 m ³ /h	3.125 m ³ /h	31.25 l/h	T90
ECCS20GSA	3/4" - 20 mm	4.0 m ³ /h	5.0 m ³ /h	50 l/h	T90
1592022	Fitting for DN15 volumetric meter				
1592023	Fitting for DN20 volumetric meter				

Dimensions (mm)

	A	B	C	D	E
ECCS15GSA	110	72	138	70	16
ECCS20GSA	130	72	143	74	19



Single-jet volumetric meters for domestic cold water



- K=10 liters / pulse
- Vertical, horizontal or oblique mounting
- Fittings not included

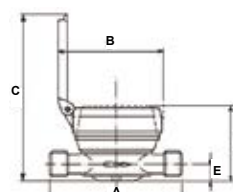
IP68

MID

CODE	NOMINAL SIZE INCH - DN	PERMANENT FLOW RATE Q3	MAXIMUM FLOW RATE Q4	MINIMUM FLOW RATE Q1	TEMPERATURE CLASS
ECCF15GSA	1/2" - 15 mm	2.5 m ³ /h	3.125 m ³ /h	31.25 l/h	T30
ECCF20GSA	3/4" - 20 mm	4.0 m ³ /h	5.0 m ³ /h	50 l/h	T30
1592022	Fitting for DN15 volumetric meter				
1592023	Fitting for DN20 volumetric meter				

Dimensions (mm)

	A	B	C	D	E
ECCF15GSA	110	72	138	70	16
ECCF20GSA	130	72	143	74	19



Radiator thermostats, valves, lock shields and fittings



Consult the section "Components for radiators systems"

see page 49



DIRECT
HEAT METERING
SYSTEMS

PAGE 62



DIN rail
mounting



Wall
mounting



Power supply
230V-50Hz



Battery
Power



Wireless M-Bus data
transmission



Wired M-Bus data
transmission



Remote control
by PC



MID 2004/22/EC
approval



Heating and cooling
management



Protection rating
IP68



Protection rating
IP52



Protection rating
IP54



Protection rating
IP40



Protection rating
IP64

DIRECT HEAT METERING SYSTEMS

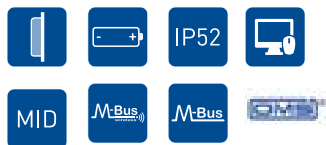


DIRECT HEAT METERING SYSTEMS

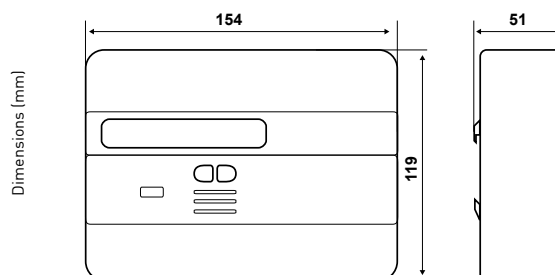
Calculation units for heat metering systems



- The unit can measure the heating and/or cooling energy consumption
- MID approval.
- Easily connectable to external flow meters with pulse output.



CODE	POWER SUPPLY	TEMPERATURE RANGE	TYPES OF SENSORS	ADDITIONAL INPUTS	ADDITIONAL OUTPUTS	COMMUNICATION
ECCM33	lithium battery 3,6V	5 ÷ 180 °C	Pt1000	2 pulse inputs	2 energy pulse outputs	M-Bus
ECCM33R	lithium battery 3,6V	5 ÷ 180 °C	Pt1000	2 pulse outputs	2 energy pulse inputs	M-Bus / Wireless M-Bus
ECSW	Configuration software and data reading					
ECVUSBR	USB radio antenna for configuration and wireless reading (see page 59)					



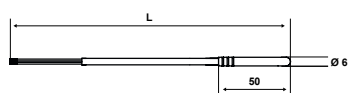
Probes and manholes for water metering systems

CODE	DESCRIPTION
EC3PT1000	Pair of probes 45 mm, PT1000, 3 mt cable
EC10PT1000	Pair of probes 45 mm, PT1000, 10 mt cable
EC45PA	45mm manhole for pipes up to DN50
EC85PA	85mm manhole for pipes from DN65 to DN80
EC125PA	125 mm manhole for pipes up to DN 100
ECVAL15PA	Ball valve with M10 manhole designed for direct installation on ECC15CA2 probes
ECVAL20PA	Ball valve with M10 manhole designed for direct installation on ECC20CA2 probes

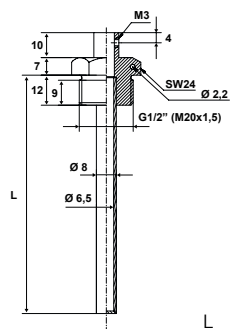


MID

Dimensions (mm)

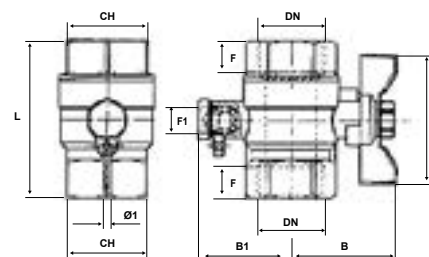


	L
EC3PT1000	3
EC10PT1000	10



EC45PA	43
EC85PA	83
EC125PA	123

DN	15	20
in	1/2"	3/4"
L	50,5	61
B	37,5	41
B1	36,5	36,5
F	10,5	12
F1	M10 x 1	M10 x 1
Ø1	3	3
CH	25	31
A	50	50
Weight	200	290



■ EC_PT1000

■ EC_PA

■ ECVAL_PA

Single-jet compact heat meters



CODE	NOMINAL SIZE INCH - DN	NOMINAL FLOW RATE Qp	INPUTS	COMMUNICATION INTERFACE
ECC15CA2	1/2" - DN15	1.5 m³/h	2 with ECCMBIR	Wireless M-Bus (Wired with ECCMBIR)
ECC20CA2	3/4" - DN20	2.5 m³/h	2 with ECCMBIR	Wireless M-Bus Wireless (Wired with ECCMBIR)
ECCMBIR	Module with 2 pulse inputs and wired M-Bus output for ECC15CA2 - ECC20CA2			
1592022	Fitting for DN15 heat meter (not included)			
1592023	Fitting for DN20 heat meter (not included)			
ECSW	Configuration software and data reading			
ECVUSBR	USB radio receiver for configuration and wireless reading (see page 59)			

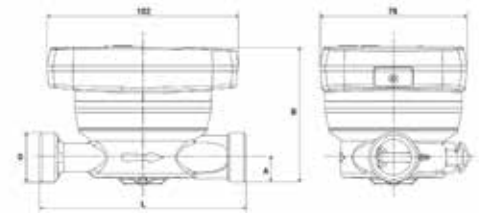
- Installation on the return/supply pipe
- Horizontal and vertical installation
- MID 2004/22/EC - MI004 approval EN1434
- Power supply: lithium battery
- Fittings excluded



■ ECCMBIR

Dimensions (mm)

	L	A	B	D
ECC15CA2	110	13	73	3/4"
ECC20CA2	130	17	77	1"



■ ECC_CA2

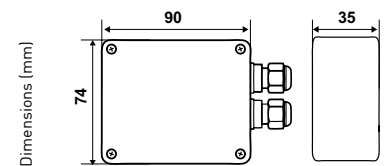


Radio module for meters with pulse output



CODE	POWER SUPPLY	INPUT	OUTPUT	PROTECTION RATING
ECV-TXE	Lithium battery 3.6V Li-SOCI2	2 reed sensors	M-Bus Wireless	IP65
ECSW	Configuration software and data reading			
ECVUSBR	USB radio receiver for configuration and wireless reading (see page 59)			

- Suitable to interface volumetric pulse meters with wireless readers / data displays.
- Wireless transmission: 868 MHz
- MBUS OMS standard EN 13757-4

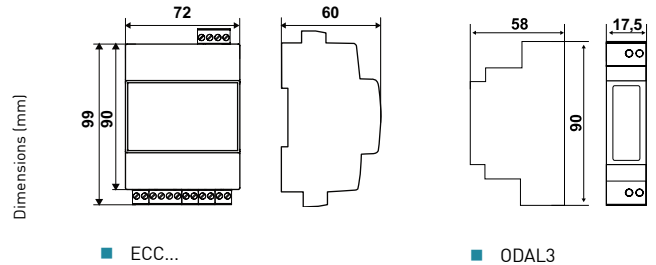


Wired M-BUS datalogger



CODE	DESCRIPTION	POWER SUPPLY	CONNECTABLE SATELLITE UNITS	PROTECTION RATING
ECC60MBUS	M-BUS converter	24Vdc +/-10%	60	IP20
ODAL3	24Vdc - 2A power supply module with built-in Bus socket			

- Data take-over from the M-Bus meters

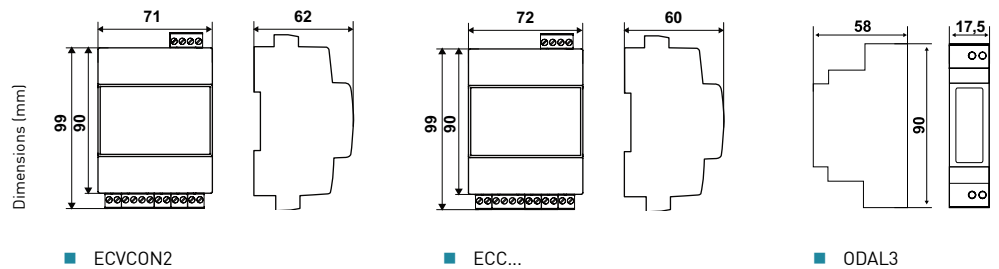


OMS wireless and wired M-BUS datalogger



CODE	M-BUS INTERFACE	POWER SUPPLY	PROTECTION RATING
ECVC0N2	W.M-Bus + OMS wireless	24Vac/dc	IP20
ECC60MBUS	M-BUS converter	24Vdc +/-10%	IP20
ODAL3	24Vdc - 2A power supply module with built-in Bus socket		

- W.M-Bus 868 MHz protocol
- Manages up to 2500 M-BUS wireless devices
- Manages up to 500 wired M-BUS devices
- 3 digital inputs and 2 output relays
- DIN rail mounting 35mm [EN60715] (5 modules).

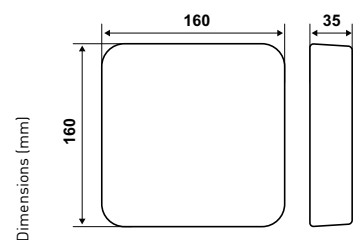


Radio repeater



CODE	M-BUS INTERFACE	COMMUNICATION BAND	MAX TRANSMISSION POWER	POWER SUPPLY	PROTECTION RATING
ECVRRB	OMS Wireless	868 MHz	27 dBm	100 - 240 Vac	IP40

- Manages up to 500 devices
- Web interface along with ECVC0NB



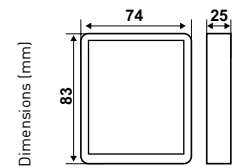
4G LTE router



- Power supply included
- LAN-WAN ethernet ports
- GSM and Wi-Fi antennas

CODE	DESCRIPTION	SUITABLE FOR
EVCRT2	4G LTE router - Industrial Cat 4 up to 150Mbps	ECC250LOG - ECVC0N2

- Compact size, easy integration
- Digital input/output for the remote management
- Wireless Access Point with hotspot and station functioning



Single-jet volumetric meters up to 120°C



- 10 liters/pulse
- Horizontal or vertical installation
- Fittings included

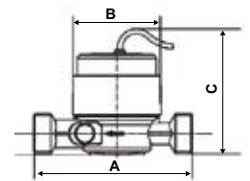
IP68

MID

CODE	NOMINAL SIZE INCH - DN	NOMINAL FLOW RATE Qp	MAXIMUM FLOW RATE Qs	MINIMUM FLOW RATE Qi	TEMPERATURE CLASS
ECC15GSA	1/2" - 15 mm	1.5 m³/h	3 m³/h	30 l/h	T120
ECC20GSA	3/4" - 20 mm	2.5 m³/h	5 m³/h	50 l/h	T120

Dimensions (mm)

	A	B	C	D	E
ECC15GSA	110	106,5	81,5	71	16
ECC20GSA	130	110,5	85,5	71	19



Multiple-jet volumetric meters up to 120-130°C



- 10 liters/pulse
- Horizontal mounting
- Vertical mounting (on demand)
- Fittings included

IP68

MID

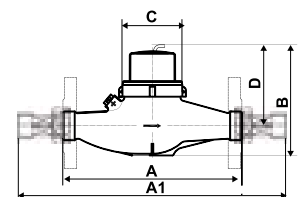
CODE	NOMINAL SIZE INCH - DN	NOMINAL FLOW RATE Qp	MAXIMUM FLOW RATE Qs	MINIMUM FLOW RATE Qi	TEMPERATURE CLASS
ECC15GM *	1/2" - 15 mm	1.5 m³/h	2.25 m³/h	60 l/h	T120
ECC20GM	3/4" - 20 mm	1.5 m³/h	3.75 m³/h	100 l/h	T120
ECC25GM	1" - 25 mm	3.5 m³/h	5.25 m³/h	140 l/h	T120
ECC32GM	1 1/4" - 32 mm	6 m³/h	9 m³/h	240 l/h	T120
ECC40GM	1 1/2" - 40 mm	10 m³/h	15 m³/h	300 l/h	T120
ECC50GM	2" - 50 mm	15 m³/h	30 m³/h	300 l/h	T130

* available upon request

A length without fittings
A1 length with fittings

Dimensions (mm)

	A	A1	B	C	D
ECC15GM	165	245	135	96	40
ECC20GM	190	288	135	96	40
ECC25GM	260	378	140	102	45
ECC32GM	260	378	140	102	45
ECC40GM	300	438	155	137	50
ECC50GM	300	454	199	151	57



Single-jet volumetric meters for domestic hot water



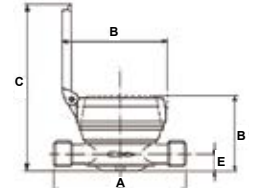
- K=10 liters / pulse
- Vertical, horizontal or oblique mounting
- Fittings not included

IP68 MID

CODE	NOMINAL SIZE INCH - DN	PERMANENT FLOW RATE Q3	MAXIMUM FLOW RATE Q4	MINIMUM FLOW RATE Q1	TEMPERATURE CLASS
ECCS15GSA	1/2" - 15 mm	2.5 m³/h	3.125 m³/h	31.25 l/h	T90
ECCS20GSA	3/4" - 20 mm	4.0 m³/h	5.0 m³/h	50 l/h	T90
1592022	Fittings for DN15 volumetric meters				
1592023	Fittings for DN20 volumetric meters				

Dimensions (mm)

	A	B	C	D	E
ECCS15GSA	110	72	138	70	16
ECCS20GSA	130	72	143	74	19



Single-jet a volumetric meters for domestic cold water



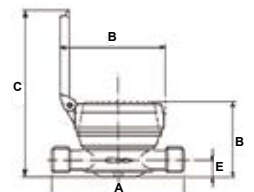
- K=10 liters / pulse
- Vertical, horizontal or oblique mounting
- Fittings not included

IP68 MID

CODE	NOMINAL SIZE INCH - DN	PERMANENT FLOW RATE Q3	MAXIMUM FLOW RATE Q4	MINIMUM FLOW RATE Q1	TEMPERATURE CLASS
ECCF15GSA	1/2" - 15 mm	2.5 m³/h	3.125 m³/h	31.25 l/h	T30
ECCF20GSA	3/4" - 20 mm	4.0 m³/h	5.0 m³/h	50 l/h	T30
1592022	Fittings for DN15 volumetric meters				
1592023	Fittings for DN20 volumetric meters				

Dimensions (mm)

	A	B	C	D	E
ECCF15GSA	110	72	138	70	16
ECCF20GSA	130	72	143	74	19



Multiple-jet volumetric meters for domestic hot water



- 10 liters/pulse.
- Horizontal mounting
- Vertical mounting (on demand)
- Fittings included

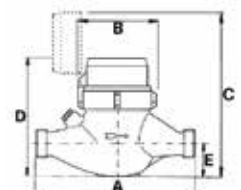
IP68 MID

CODE	NOMINAL SIZE INCH - DN	PERMANENT FLOW RATE Q3	MAXIMUM FLOW RATE Q4	MINIMUM FLOW RATE Q1	TEMPERATURE CLASS
ECCS15GMA *	1/2" - 15 mm	2.5 m³/h	3.125 m³/h	31.25 l/h	T90
ECCS20GMA *	3/4" - 20 mm	4.0 m³/h	5 m³/h	50 l/h	T90
ECCS25GMA *	1" - 25 mm	6.3 m³/h	7.875 m³/h	78.75 l/h	T90
ECCS32GMA *	1 1/4" - 32 mm	10 m³/h	12.5 m³/h	125 l/h	T90
ECCS40GMA *	1 1/2" - 40 mm	16 m³/h	20 m³/h	200 l/h	T90
ECCS50GMA *	2" - 50 mm	25 m³/h	31.250 m³/h	312.5 l/h	T90

* available upon request

Dimensions (mm)

	A	B	C	D	E
ECCS15GMA	110	96	185	130	35
ECCS20GMA	160	96	185	130	35
ECCS25GMA	220	100	200	145	40
ECCS32GMA	220	100	200	145	40
ECCS40GMA	300	136	210	155	60
ECCS50GMA	300	136	220	165	70



Multiple-jet volumetric meters for domestic cold water



- K 10 litri / pulse
- Horizontal installation
- Fittings included

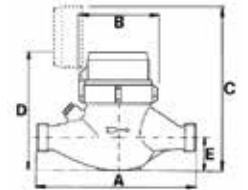
IP68 MID

CODE	NOMINAL SIZE INCH - DN	PERMANENT FLOW RATE Q3	MAXIMUM FLOW RATE Q4	MINIMUM FLOW RATE Q1	TEMPERATURE CLASS
ECCF15GMA *	3/4" - 15 mm	2.5 m ³ /h	3.125 m ³ /h	31.25 l/h	T50
ECCF20GMA *	3/4" - 20 mm	4.0 m ³ /h	5 m ³ /h	50 l/h	T50
ECCF25GMA *	1" - 25 mm	6.3 m ³ /h	7.875 m ³ /h	78.75 l/h	T50
ECCF32GMA *	1 1/4" - 32 mm	10 m ³ /h	12.5 m ³ /h	125 l/h	T50
ECCF40GMA *	1 1/2" - 40 mm	16 m ³ /h	20 m ³ /h	200 l/h	T50
ECCF50GMA *	2" - 50 mm	25 m ³ /h	31.250 m ³ /h	312.5 l/h	T50

* available upon request

	A	B	C	D	E
ECCF15GMA	110	96	185	130	35
ECCF20GMA	160	96	185	130	35
ECCF25GMA	220	100	200	145	40
ECCF32GMA	220	100	200	145	40
ECCF40GMA	300	136	210	155	60
ECCF50GMA	300	136	220	165	70

Dimensions (mm)



Woltmann volumetric meters for hot water



- Vertical, horizontal or oblique mounting
- K: 100-1000 liters / pulse

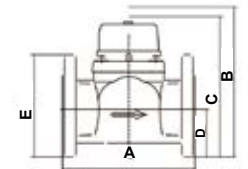
IP66 MID

CODE	PULSE WEIGHT K (l/imp)	NOMINAL SIZE DN	NOMINAL FLOW RATE Qp	MAXIMUM FLOW RATE Qs	MINIMUM FLOW RATE Qi	TEMPERATURE CLASS
ECC50WA	100	50 mm	15 m ³ /h	30 m ³ /h	0.6 m ³ /h	T130
ECC65WA	100	60 mm	25 m ³ /h	50 m ³ /h	1 m ³ /h	T130
ECC80WA	100	80 mm	40 m ³ /h	80 m ³ /h	1.6 m ³ /h	T130
ECC100WA	100	100 mm	60 m ³ /h	120 m ³ /h	2.4 m ³ /h	T130
ECC125WA *	100	125 mm	100 m ³ /h	200 m ³ /h	4 m ³ /h	T130
ECC150WA *	1000	150 mm	150 m ³ /h	300 m ³ /h	6 m ³ /h	T130
ECC200WA *	1000	200 mm	250 m ³ /h	500 m ³ /h	10 m ³ /h	T130
ECC250WA *	1000	250 mm	400 m ³ /h	1800 m ³ /h	40 m ³ /h	T130
ECC300WA *	1000	300 mm	600 m ³ /h	1200 m ³ /h	20 m ³ /h	T130

* available upon request

	A	B	C	D	E
ECC50WA	200	287	187	72	165
ECC65WA	200	297	197	83	185
ECC80WA	225	339	219	95	200
ECC100WA	250	349	229	105	220
ECC125WA	250	377	257	120	250
ECC150WA	300	582	357	135	285
ECC200WA	350	607	382	160	340
ECC250WA	450	652	427	193	400
ECC300WA	500	722	497	230	460

Dimensions (mm)



Woltmann volumetric meters for cold water



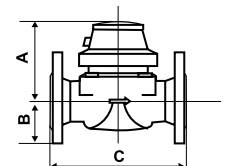
- Vertical, horizontal or oblique mounting
- K: 100-1000 liters / pulse

IP68 MID

CODE	PULSE WEIGHT K (l/imp)	NOMINAL SIZE DN	NOMINAL FLOW RATE Qp	MAXIMUM FLOW RATE Qs	MINIMUM FLOW RATE Qi	TEMPERATURE CLASS
ECCF50W *	100	50 mm	15 m ³ /h	30 m ³ /h	0.45 m ³ /h	T50
ECCF65W *	100	60 mm	25 m ³ /h	50 m ³ /h	0.75 m ³ /h	T50
ECCF80W *	100	80 mm	40 m ³ /h	80 m ³ /h	1.2 m ³ /h	T50
ECCF100W *	100	100 mm	70 m ³ /h	120 m ³ /h	1.8 m ³ /h	T50
ECCF125W *	100	125 mm	100 m ³ /h	200 m ³ /h	3 m ³ /h	T50
ECCF150W *	1000	150 mm	150 m ³ /h	300 m ³ /h	4.5 m ³ /h	T50
ECCF200W *	1000	200 mm	250 m ³ /h	500 m ³ /h	7.5 m ³ /h	T50
ECCF250W *	1000	250 mm	400 m ³ /h	800 m ³ /h	12 m ³ /h	T50
ECCF300W *	1000	300 mm	600 m ³ /h	1200 m ³ /h	18 m ³ /h	T50

	A	B	C	A	B	C	
ECCF50W	120	73	200	ECCF150W	167	135	300
ECCF65W	120	85	200	ECCF200W	206	162	350
ECCF80W	150	95	225	ECCF250W	231	194	450
ECCF100W	150	105	250	ECCF300W	256	226	500
ECCF125W	160	118	250				

Dimensions (mm)





DOMESTIC
GAS DETECTORS

PAGE 70



SAFETY
VALVES

PAGE 71



GAS KIT

PAGE 73



Flush
mounting



Wall
mounting



DIN rail
mounting



230V
230V-50Hz
power supply



Battery
supply



24V
24V
power supply



IP40
Protection rating
IP40



IP42
Protection rating
IP42



IP54
Protection rating
IP54

GAS DETECTORS



DOMESTIC GAS DETECTORS

Gas leak detectors for methane, LPG and CO carbon monoxide



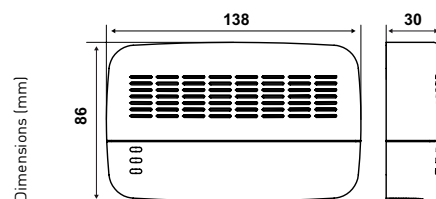
- Wall mounting
- P21 and P22 with catalytic sensor and pre-alarm



CODE	SENSOR	GAS TYPE	POWER SUPPLY	CONTACT RATING	CONSUMPTION	PROTECTION RATING
P11	semiconductor	METHANE	230Vac - 50Hz	6(2)A - 250Vac	4 VA	IP42
P12	semiconductor	LPG	230Vac - 50Hz	6(2)A - 250Vac	4 VA	IP42
P21	catalytic	METHANE	230Vac - 50Hz	6(2)A - 250Vac	4 VA	IP42
P22	catalytic	LPG	230Vac - 50Hz	6(2)A - 250Vac	4 VA	IP42
P13	semiconductor	CO carbon monoxide	230Vac - 50Hz	6(2)A - 250Vac	4 VA	IP42

CODE SPARE SENSORS

EP11	spare sensor for P11
EP12	spare sensor for P12
EP21	spare sensor for P21
EP22	spare sensor for P22



Gas leak detectors for methane and LPG

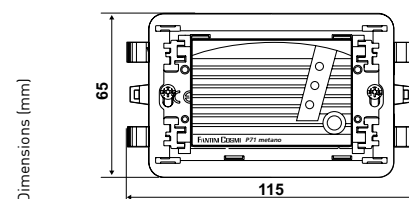


- With button/pull cord for alarm silencing
- Installation in flush-mount boxes 503-type module



CODE	GAS TYPE	COLOUR	POWER SUPPLY	CONTACT RATING	OPERATING TEMPERATURE	PROTECTION RATING
P71	METHANE	Anthracite	230Vac - 50Hz	5(3)A - 250Vac	0 ÷ 40 °C	IP42
P71B	METHANE	White	230Vac - 50Hz	5(3)A - 250Vac	0 ÷ 40 °C	IP42
P71C	METHANE	Silver	230Vac - 50Hz	5(3)A - 250Vac	0 ÷ 40 °C	IP42
P72	LPG	Anthracite	230Vac - 50Hz	5(3)A - 250Vac	0 ÷ 40 °C	IP42

PLATES BTICINO Axolute, Livinglight, Light, Light tech, Living ■ VIMAR Idea, Rondò, Plana, Eikon ■ GEWISS Playbus and Playbus Young - AVE Banquise, Ave Yes ■ LEGRAND Vela.



SAFETY VALVES

Normally closed safety valves for air and gas



- For air and non-aggressive gases (according to EN437)
- Closing time < 1 second

230V

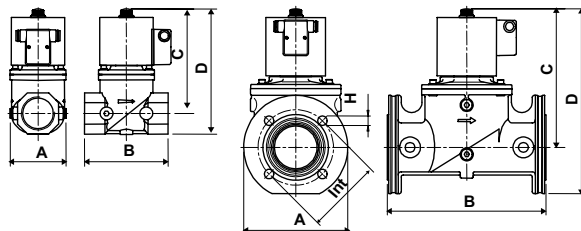
24V

IP54

CODE	CONNECTION TYPE	PASSAGE DN	POWER SUPPLY	BODY MATERIAL	MAXIMUM PRESSURE Mbar	ABSORPTION W
ZDEV10	threaded RP 3/8	10	230Vac 50/60Hz	brass	200	16
ZDEV15	threaded RP 1/2	15	230Vac 50/60Hz	brass	200	16
ZDEV20A	threaded RP 3/4	20	230Vac 50/60Hz	aluminium	500	45
ZDEV25A	threaded RP 1	25	230Vac 50/60Hz	aluminium	500	45
ZDEV32A	threaded RP 1 1/4	32	230Vac 50/60Hz	aluminium	500	20/80
ZDEV40A	threaded RP 1 1/2	40	230Vac 50/60Hz	aluminium	500	20/80
ZDEV50A	threaded RP 2	50	230Vac 50/60Hz	aluminium	500	20/80
ZDEVRF65	flanged DN 65	65	230Vac 50/60Hz	aluminium	200	45/180
ZDEVRF80	flanged DN 80	80	230Vac 50/60Hz	aluminium	200	45/180
ZDEVRF100	flanged DN 100	100	230Vac 50/60Hz	aluminium	200	45/180
ZDEV10F	threaded RP 3/8	10	24Vac	brass	200	16
ZDEV15F	threaded RP 1/2	15	24Vac	brass	200	16
ZDEV20F	threaded RP 3/4	20	24Vac	aluminium	200	45
ZDEV25F	threaded RP 1	25	24Vac	aluminium	200	45
ZDEV32F	threaded RP 1 1/4	32	24Vac	aluminium	200	20/80
ZDEV40F	threaded RP 1 1/2	40	24Vac	aluminium	200	20/80
ZDEV50F	threaded RP 2	50	24Vac	aluminium	200	20/80
ZDEVRF65F	flanged DN 65	65	24Vac	aluminium	200	45/180
ZDEVRF80F	flanged DN 80	80	24Vac	aluminium	200	45/180
ZDEVRF100F	flanged DN 100	100	24Vac	aluminium	200	45/180

DN	A	B	C	D	Int	h
10	30	58	95	110	-	-
15	30	58	95	110	-	-
20	88	96	150	164	-	-
25	88	96	150	164	-	-
32	120	153	188	220	-	-
40	120	153	188	220	-	-
50	106	156	192	230	145	4x18
65	200	305	266	355	160	8x18
80	200	305	266	355	160	8x18
100	252	350	352	492	180	8x18

Dimensions (mm)



■ ZDEV...10 ÷ 50

■ ZDEV...65 ÷ 100

Normally open safety valves for air and gas with manual reset



- For air and non-aggressive gases (according to EN437)
- Closing time < 1 second

230V

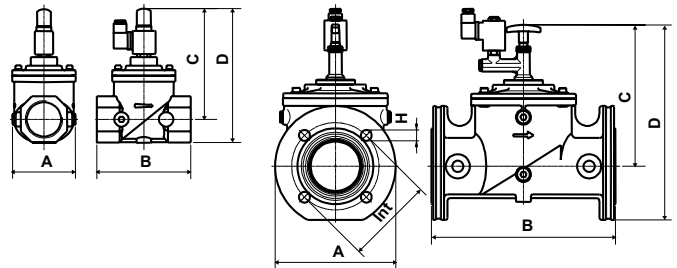
24V

IP54

CODE	CONNECTION TYPE	PASSAGE DN	POWER SUPPLY	BODY MATERIAL	MAXIMUM PRESSURE Mbar	ABSORPTION W
ZDVGRM15NA	threaded RP 1/2	15	230Vac 50/60Hz	brass	500	16
ZDVGRM20NA	threaded RP 3/4	20	230Vac 50/60Hz	brass	500	16
ZDVGRM25NA	threaded RP 1	25	230Vac 50/60Hz	brass	500	16
ZDEVRM32NA	threaded RP 1 1/4	32	230Vac 50/60Hz	aluminium	500	16
ZDEVRM40NA	threaded RP 1 1/2	40	230Vac 50/60Hz	aluminium	500	16
ZDEVRM50NA	threaded RP 2	50	230Vac 50/60Hz	aluminium	500	16
ZDEVRMF65NA	flanged DN 65	65	230Vac 50/60Hz	aluminium	500	19
ZDEVRMF80NA	flanged DN 80	80	230Vac 50/60Hz	aluminium	500	19
ZDEVRMF100NA	flanged DN 100	100	230Vac 50/60Hz	aluminium	500	19
ZDVGRM15NAF	threaded RP 1/2	15	24Vac	brass	500	16
ZDVGRM20NAF	threaded RP 3/4	20	24Vac	brass	500	16
ZDVGRM25NAF	threaded RP 1	25	24Vac	brass	500	16
ZDEVRM32NAF	threaded RP 1 1/4	32	24Vac	aluminium	500	16
ZDEVRM40NAF	threaded RP 1 1/2	40	24Vac	aluminium	500	16
ZDEVRM50NAF	threaded RP 2	50	24Vac	aluminium	500	16
ZDEVRMF65NAF	flanged DN 65	65	24Vac	aluminium	500	19
ZDEVRMF80NAF	flanged DN 80	80	24Vac	aluminium	500	19
ZDEVRMF100NAF	flanged DN 100	100	24Vac	aluminium	500	19

DN	A	B	C	D	Int	h
15	30	58	115	130	-	-
20	35	55	113	130	-	-
25	40	62	115	137	-	-
32	120	153	170	203	-	-
40	120	153	170	203	-	-
50	106	156	175	213	-	-
65	200	305	260	350	145	4x18
80	200	305	260	350	160	8x18
100	252	350	280	410	180	8x18

Dimensions (mm)



Normally closed safety valves for air and gas with manual reset



230V

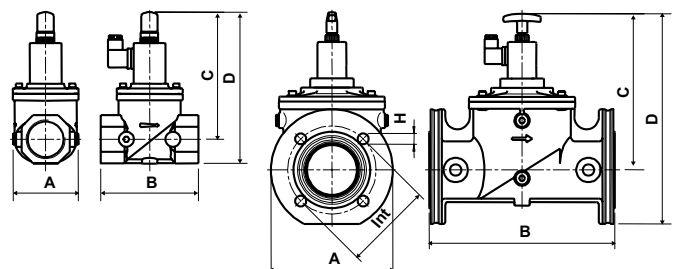
24V

IP54

CODE	CONNECTION TYPE	PASSAGE DN	POWER SUPPLY	BODY MATERIAL	MAXIMUM PRESSURE Mbar	ABSORPTION W
ZDVGRM15NC	threaded RP 1/2	15	230Vac 50/60Hz	brass	500	8
ZDVGRM20NC	threaded RP 3/4	20	230Vac 50/60Hz	brass	500	8
ZDVGRM25NC	threaded RP 1	25	230Vac 50/60Hz	brass	500	8
ZDEVRM32NC	threaded RP 1 1/4	32	230Vac 50/60Hz	aluminium	500	12
ZDEVRM40NC	threaded RP 1 1/2	40	230Vac 50/60Hz	aluminium	500	12
ZDEVRM50NC	threaded RP 2	50	230Vac 50/60Hz	aluminium	500	12
ZDEVRMF65NC	flanged DN 65	65	230Vac 50/60Hz	aluminium	500	12
ZDEVRMF80NC	flanged DN 80	80	230Vac 50/60Hz	aluminium	500	12
ZDEVRMF100NC	flanged DN 100	100	230Vac 50/60Hz	aluminium	500	45
ZDVGRM15NCF	threaded RP 1/2	15	24Vac	brass	500	8
ZDVGRM20NCF	threaded RP 3/4	20	24Vac	brass	500	8
ZDVGRM25NCF	threaded RP 1	25	24Vac	brass	500	8
ZDEVRM32NCF	threaded RP 1 1/4	32	24Vac	aluminium	500	12
ZDEVRM40NCF	threaded RP 1 1/2	40	24Vac	aluminium	500	12
ZDEVRM50NCF	threaded RP 2	50	24Vac	aluminium	500	12
ZDEVRMF65NCF	flanged DN 65	65	24Vac	aluminium	500	12
ZDEVRMF80NCF	flanged DN 80	80	24Vac	aluminium	500	12
ZDEVRMF100NCF	flanged DN 100	100	24Vac	aluminium	500	45

Dimensions (mm)

DN	A	B	C	D	Int	h
15	30	58	115	130	-	-
20	35	55	113	130	-	-
25	40	62	115	137	-	-
32	120	153	202	234	-	-
40	120	153	202	234	-	-
50	106	156	206	244	-	-
65	200	305	262	352	145	4x18
80	200	305	262	352	160	8x18
100	252	350	305	405	180	8x18



GAS KIT

Kit including gas leak detector + safety valve



CODE	KIT COMPONENTS
PKD2115NA	P21 detector + ZDVGRM15NA safety valve
PKD2115NC	P21 detector + ZDVGRM15NC safety valve
PKD2120NA	P21 detector + ZDVGRM20NA safety valve
PKD2120NC	P21 detector + ZDVGRM20NC safety valve
PKD2125NA	P21 detector + ZDVGRM25NA safety valve
PKD2215NA	P22 detector + ZDVGRM15NA safety valve
PKD2220NA	P22 detector + ZDVGRM20NA safety valve
PKD2225NA	P22 detector + ZDVGRM25NA safety valve

VENTILATION

MECHANICAL VENTILATION WITH HEAT RECOVERY

DECENTRALIZED MVHR ■ DECENTRALIZED MVHR FOR SCHOOL AND COMMERCIAL BUILDINGS ■ CENTRALIZED MVHR FOR RESIDENTIAL BUILDINGS ■ ACCESSORIES FOR CENTRALIZED MVHR (RESIDENTIAL BUILDINGS) ■ CENTRALIZED MVHR FOR COMMERCIAL BUILDINGS ■ ACCESSORIES FOR CENTRALIZED MVHR (COMMERCIAL BUILDINGS)



PAGE 76

DOMESTIC FANS

UNIVERSAL FANS ■ AXIAL FANS ■ CENTRIFUGAL FANS ■ ROOF CENTRIFUGAL FANS ■ ACCESSORIES



PAGE 102

INDUSTRIAL FANS

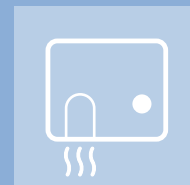
WALL-MOUNTED AXIAL FANS ■ ROOF INDUSTRIAL FANS ■ DUCT CENTRIFUGAL FANS ■ ROOF CENTRIFUGAL FANS ■ AIR CURTAINS ■ ACCESSORIES



PAGE 120

FAN HEATERS, ELECTRIC HEATERS AND HYGIENE

FAN HEATERS ■ INFRARED HEATERS ■ ELECTRIC HAND DRYERS ■ WALL-MOUNTED HAIR DRYERS



PAGE 134



DECENTRALIZED MVHR

PAGE 78



DECENTRALIZED MVHR SCHOOL AND COMMERCIAL BUILDINGS

PAGE 82



CENTRALIZED MVHR RESIDENTIAL BUILDINGS

PAGE 85



ACCESSORIES FOR CENTRALIZED MVHR RESIDENTIAL BUILDINGS

PAGE 89



CENTRALIZED MVHR COMMERCIAL BUILDINGS

PAGE 97



ACCESSORIES FOR CENTRALIZED MVHR COMMERCIAL BUILDINGS

PAGE 98

230V

Power supply 230V-50Hz

up to 90%

Heat recovery up to 90%

>50%

Heat recovery more than 50%

>90%

Heat recovery more than 90%

IPX4

Protection rating IPX4

IP20

Protection rating IP20

IPX2

Protection rating IPX2

IP31

Protection rating IP31

ErP

Compliant ErP Directives

A

A Energy class



ASPIRA brand product

MECHANICAL VENTILATION WITH HEAT RECOVERY



DECENTRALIZED MECHANICAL VENTILATION WITH HEAT RECOVERY

ECOCOMFORT 3 - Single room heat recovery unit with smart functions and A.I.



CODE	MODEL	Ø DN TUBE	SPEED	m³/h	POWER CONSUMPTION	POWER SUPPLY	dB(A) 1,5 m
AP1996	ECOCOMFORT 3	160 mm	V1	30	3 W	230 V~ 50 Hz	20,5
			V2	50	5 W		29,5
			V3	75	8 W		37,0
			Sleep	15	2,5 W		nd
			Boost*	100	20 W		45,8



IntelliClima+ APP is available for free on:



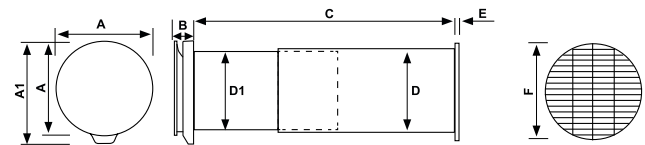
- High efficiency ceramic heat exchanger up to 90%
- Setting and remote control via App on iOS and Android
- Weekly programming
- Sensors: relative humidity, air quality, twilight and temperature
- Mounting on perimeter walls
- Compliant with the Directive 2009/125/CE Energy Related Products (ERP) – Ecodesign 2018

Look at the video instructions on the Fantini Cosmi channel

* Manual speed adjustment not available

ACCESSORIES AND SPARE PARTS:

AP1984	ISO Coarse filter FR007
AP1985	Insulating panel FR008
AP1613	Windproof and rainproof grille GE150
AP19881	Silencer Kit SLF160
AP19986	Pre-installation kit



Dimensions (mm)	CODE	A	A1	B	C	D	D1	E	F
	AP1996	230	250	55	280 ÷ 530	160 (Ø external) 156 (Ø internal)	154 (Ø external) 15 (Ø internal)	20	190

** For wall thicknesses between 230 mm and 280 mm, cut the pipe and use a standard external grille (not included).

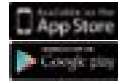
RHINOCOMFORT 3 - Single room heat recovery unit with air sanitisation



CODE	MODEL	Ø DN TUBE	SPEED	m³/h	POWER CONSUMPTION	POWER SUPPLY	dB(A) 1,5 m
AP19997	RHINOCOMFORT 3	160 mm	V1	30	3 W	230 V~ 50 Hz	20,5
			V2	50	5 W		29,5
			V3	75	8 W		37,0
			Sleep	15	2,5 W		nd
			Boost*	100	20 W		45,8



Intelliclima+ APP is available for free on:



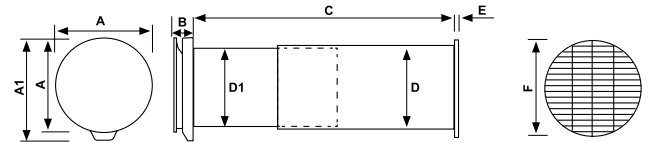
Look at the video instructions on the Fantini Cosmi channel

* Manual speed adjustment not available

ACCESSORIES AND SPARE PARTS:

AP1984	ISO Coarse filter FR007
AP1985	Insulating panel FR008
AP1613	Windproof and rainproof grille GE150
AP19881	Silencer Kit SLF160
AP19986	Pre-installation kit

- Photocatalytic system with zero ozone emissions for the sanitization of the air drawn in from the outside
- High efficiency ceramic heat exchanger up to 90%
- Setting and remote control via App on iOS and Android
- Weekly programming
- Sensors: relative humidity, air quality, twilight and temperature
- Mounting on perimeter walls
- Compliant with the Directive 2009/125/CE Energy Related Products (ERP) – Ecodesign 2018



CODE	A	A1	B	C	D	D1	E	F
	AP19997	230	250	55	280 ÷ 530	160 (Ø external) 156 (Ø internal)	154 (Ø external) 15 (Ø internal)	20

Dimensions (mm)

** For wall thicknesses between 250 mm and 280 mm, cut the pipe and use a standard external grille (not included).

ECOCOMFORT PLUS - Single room heat recovery unit with IR remote control



ECOCOMFORT PLUS

- Mounting on perimeter walls
- Infrared ray control
- High efficiency ceramic heat exchanger up to 90%
- Sensors: temperature, VOC, humidity and twilight
- Flow straightener to guarantee higher performances (AP19993)
- Complies with regulations (EU) 1254/2014.

CODE	MODEL	Ø DN TUBE	MAX AMBIENT DIMENSIONS	SPEED	m ³ /h	POWER CONSUMPTION	POWER SUPPLY	dB(A) 1,5 m
AP19993	ECOCOMFORT PLUS 160	160 mm	35 m ² (1)	low	28	2,8 W	110 V ÷ 230 V~ 50/60 Hz	26
				medium	33	5,2 W		30
				high	50	8,9 W		36
				sleep	15	1,6		n.d.
AP19989	ECOCOMFORT PLUS 100	100 mm	20 m ² (1)	low	7	2,0 W	110 V ÷ 230 V~ 50/60 Hz	18
				medium	16	3,5 W		23
				high	26	5, W		28
				sleep	5	n.d.		n.d.
AP199931	ECOCOMFORT PLUS 160 WITHOUT REMOTE CONTROL	160 mm	35 m ² (1)	low	28	2,8 W	110 V ÷ 230 V~ 50/60 Hz	26
				medium	33	5,2 W		30
				high	50	8,9 W		36
				sleep	15	1,6		n.d.
AP199891	ECOCOMFORT PLUS 100 WITHOUT REMOTE CONTROL	100 mm	20 m ² (1)	low	7	2,0 W	110 V ÷ 230 V~ 50/60 Hz	18
				medium	16	3,5 W		23
				high	26	5, W		28
				sleep	5	n.d.		n.d.

(1) data calculation based on air exchange rate of 0.5 Vol/h and a room height of 2.70m with one master unit and one satellite unit.
Calculation example: room area x 2.70m x 0.5 Vol/h
By increasing the number of satellite units, it is possible to increase the coverage in sqm².

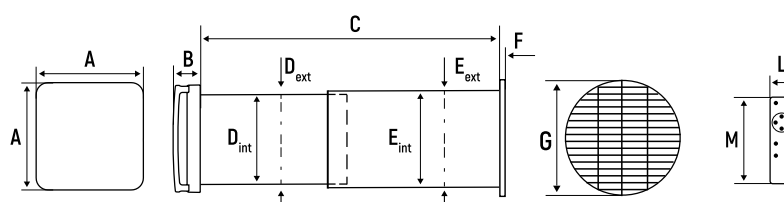


ventilation unit remote control



ACCESSORIES AND SPARE PARTS:

AP19986	Setup Kit	for the models ECOCOMFORT 160
AP19978	Spare filter FR004	for all the models ECOCOMFORT
AP1613	Windproof and rainproof grille GE150	for the models ECOCOMFORT 160
AP19880	Silencer SLF 150	for the models ECOCOMFORT 160



Dimensions (mm)	MODEL	A	B	C*	D _{int}	D _{ext}	E _{int}	E _{ext}	F	G	L	M
	ECOCOMFORT PLUS 160	180	47	280/530	150	154	156	160	20	190	40	150
	ECOCOMFORT PLUS 100			280/570	100	103	104	107				

* for wall thicknesses between 240mm and 280mm, cut the DN TUBE and use a standard exterior grille (not included).

ECOCOMFORT - Single room heat recovery unit



MASTER UNITS

CODE	MODEL	Ø DN TUBE	MAX AMBIENT DIMENSIONS	SPEED	m³/h	POWER CONSUMPTION	POWER SUPPLY	dB(A) 1,5 m
AP19980	ECOCOMFORT 160	160 mm	44 m ² (1)	low	38	2,0 W	230 V~ 50 Hz	28
				high	60	4,0 W		34
AP19984	ECOCOMFORT 100	100 mm	20 m ² (1)	low	12	1,5 W	230 V~ 50 Hz	21
				high	25	2 W		24

SATELLITE UNITS

CODE	MODEL	Ø DN TUBE	MAX AMBIENT DIMENSIONS	SPEED	m³/h	POWER CONSUMPTION	POWER SUPPLY	dB(A) 1,5 m
AP19979	ECOCOMFORT SAT 160	160 mm	44 m ² (1)	low	38	2,0 W	230 V~ 50 Hz	28
				high	60	4,0 W		34
AP19985	ECOCOMFORT SAT 100	100 mm	20 m ² (1)	low	12	1,5 W	230 V~ 50 Hz	21
				high	25	2 W		24

(1) data calculation based on air exchange rate of 0.5 Vol/h and a room height of 2.70m with one master unit and one satellite unit.

Calculation example: room area x 2.70m x 0.5 Vol/h

By increasing the number of satellite units, it is possible to increase the coverage in sqm².

- Mounting on perimeter walls
- High efficiency ceramic heat exchanger up to 90%
- Simultaneous management up to 4 ventilation units
- External expansion grille with installation from inside
- Telescopic tube for a quick and easy application
- Flow straightener to guarantee higher performances (160 mm diameter versions)
- Complies with regulations (EU) 1254/2014

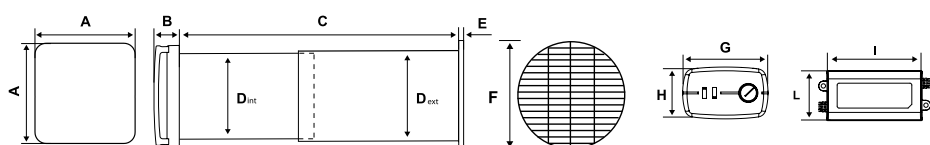
ACCESSORIES AND SPARE PARTS

AP19986	Setup kit	for the models ECOCOMFORT 160
AP19978	Spare filter FR004	for all the models ECOCOMFORT
AP1613	Windproof and rainproof grille GE150	for the models ECOCOMFORT 160
AP19880	Silencer SLF 150	for the models ECOCOMFORT 160



ventilation control unit

A



Dimensions (mm)	MODEL	A	B	C*	D _{ext}	D _{int}	E	F	F	G	H	I	L
	ECOCOMFORT 160				530	160	150				140	85	77
ECOCOMFORT SAT 160		180	47				20	190	190	-	-	-	-
ECOCOMFORT 100				570	107	100				140	85	77	40
ECOCOMFORT SAT 100										-	-	-	-

* for wall thicknesses between 240 mm and 280 mm, cut the DN TUBE and use a standard exterior grille (not included).

DECENTRALIZED MECHANICAL VENTILATION WITH HEAT RECOVERY SCHOOL AND COMMERCIAL BUILDINGS

ASPIRCOMFORT CLASS WI-FI - Heat recovery ventilation unit

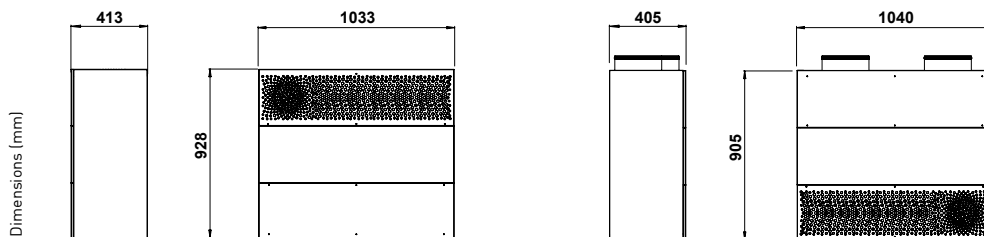


CODE	MODEL	m ³ /h max	SPEED	m ³ /h	POWER SUPPLY	IP	kg	dB(A) [3m]
AP20047W	ASPIRCOMFORT CLASS 620V WI-FI	620	low	165	230 V~ 50 Hz	X0	71	33
			medium	355				36
			high	620				41
AP20048W	ASPIRCOMFORT CLASS 620H WI-FI	620	low	165	230 V~ 50 Hz	X0	71	33
			medium	355				36
			high	620				41

- AP20048W: horizontal ceiling mounting (code 1591008 wall control not included)
- AP20047W: vertical wall mounting with built-in control
- Complete unit and ready to use
- High efficiency heat recovery >90%
- Summer Free Cooling function.
- Wi-Fi control unit

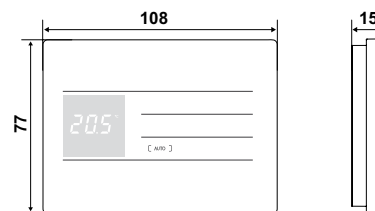
CONTROL DEVICE

1591008 Wi-Fi control unit for AP20048W (to be ordered separately)



■ AP20047W

■ AP20048W



■ 1591008

ASPIRCOMFORT CLASS - Heat recovery ventilation unit



CODE	MODEL	m³/h max	SPEED	m³/h	POWER SUPPLY	IP	kg	dB(A) [3m]
AP20048	ASPIRCOMFORT CLASS 620H	620	low	165	230 V~ 50 Hz	X0	71	33
			medium	355				36
			high	620				41

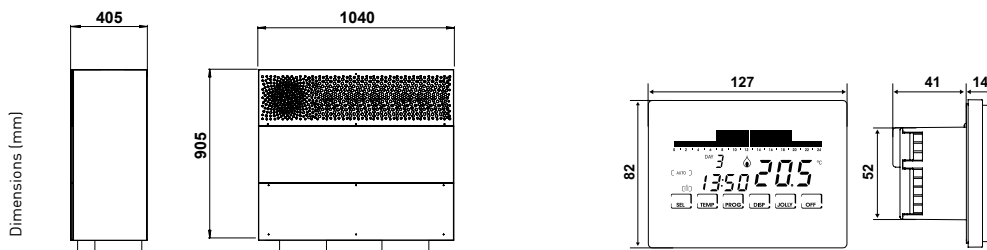
- Horizontal ceiling mounting
- Complete unit and ready to use.
- High efficiency heat recovery >90%
- Summer Free Cooling function



- CH193VMC multifunction remote control panel
- Installation in semi flush-mount boxes 503-type module

CONTROL DEVICE

CH193VMC Multifunction LCD panel with temperature measurement, CO2, VOC and %RH



AP20048

CH193VMC



>90%

230V

IPX0



ASPIRCOMFORT PRO X 460H - Heat recovery unit with heat pump and thermodynamic recovery

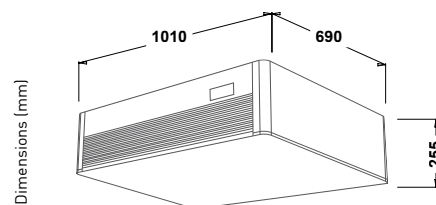


- High efficiency heat recovery >90%
- Heating and cooling integration
- Low noise level
- Horizontal ceiling mounting
- Complete unit and ready to use
- Unit equipped with Shuko plug
- IR remote control included
- Optional UV-C sanitisation lamp

CODE	MODEL	m³/h max	SPEED	m³/h	dB(A) V3	Max. absorbed power kW	Max. winter thermal power kW	Max. summer thermal power kW	kg
AP20068	ASPIRCOMFORT PRO X 460H	460	V1	140	43 (3 m) 50 (1 m)	1,27	3,62	2,77	74
			V2	240					
			V3	400					
			BOOST	460					

ACCESSORIES

AP20384 UVC-PRO-X UVC sanitisation lamp



>90%

230V

IPX0



ASPIRCOMFORT PRO X 380V - Heat recovery unit with heat pump and thermodynamic recovery



CODE	MODEL	m³/h max	SPEED	m³/h	dB(A) V3	Max. absorbed power kW	Max. winter thermal power kW	Max. summer thermal power kW	kg
AP20069	ASPIRCOMFORT PRO X 380V	380	V1	130	41 (3 m) 48 (1 m)	1,05	3,1	2,41	53
			V2	190					
			V3	320					
			BOOST	380					

ACCESSORIES

AP20384	UVC-PRO-X	UVC sanitisation lamp
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- High efficiency heat recovery >90%
- Heating and cooling integration
- Low noise level
- Vertical wall mounting
- Complete unit and ready to use
- Unit equipped with Shuko plug
- IR remote control included
- Optional UV-C sanitisation lamp



>90%

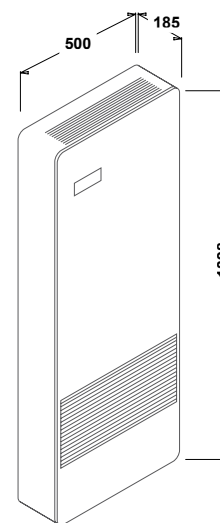
230V

IPX0



3
year
warranty

Dimensions (mm)



CENTRALIZED MECHANICAL VENTILATION WITH HEAT RECOVERY RESIDENTIAL BUILDINGS

ASPIRLIGHT HV Series - Dual flow heat recovery ventilation unit



CODE	MODEL	m ³ /h max	m ³ /h [100 Pa]	W	A	dB(A) [1m]	dB(A) [3m]	IP	kg
AP20050	ASPIRLIGHT 140 HV	210	130	95	0,8	42,1	34,7	X0	19
AP20052	ASPIRLIGHT 200 HV	230	210	130	1,2	43,8	36	X0	19
AP20053	ASPIRLIGHT 300 HV	340	320	180	2,2	43,8	36	X0	19

CONTROL DEVICE

CH193VMC	Multifunction LCD panel with temperature measurement, CO ₂ , VOC and %RH
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ACCESSORIES

AP20375	CEX-70	Cabinet kit for outdoor installation
AP20376	GEX-70	Outdoor air grille kit (for AP20375)
AP20377	PAL	Decorative panel
AP20380	UVC-200	UVC sanitisation kit (lamp and power supply) max 200 m ³ /h
AP20385	UVC-200B	Air flow box + UVC sanitisation kit max 200 m ³ /h
AP20390	RCH-366/160	Enthalpy heat exchanger for AP20050-AP20052-AP20060-AP20064
AP20391	RCH-366/270	Enthalpy heat exchanger for AP20053-AP20062-AP20066

- Vertical mounting (wall or floor)
- Horizontal mounting (false ceiling)
- Suitable for rooms up to 100m² (140HV), 150m² (200HV) and 220m² (300HV)
- Automatic summer bypass function
- Automatic antifreeze function

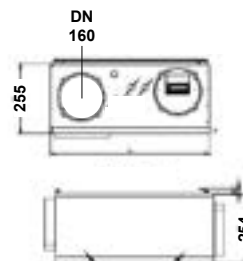
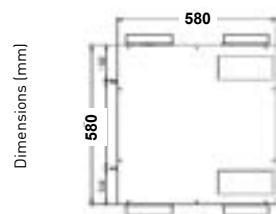


- CH193VMC multifunction remote control panel
- Installation in semi flush-mount boxes 503-type module

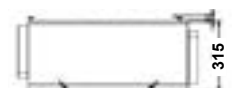


- A ASPIRLIGHT 140 HV
- A ASPIRLIGHT 200 HV
- A ASPIRLIGHT 300 HV

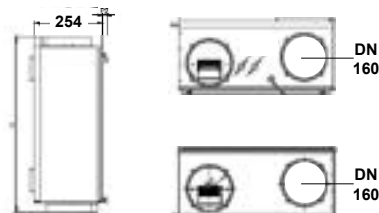
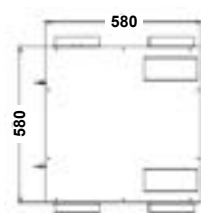
CEILING INSTALLATION (AP20050, AP20052)



CEILING INSTALLATION (AP20053)



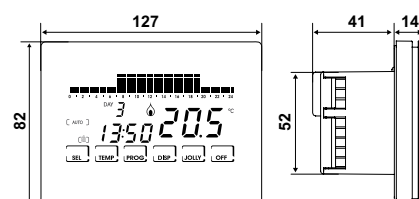
WALL INSTALLATION (AP20050, AP20052)



WALL INSTALLATION (AP20053)



CH193VMC



ASPIRCOMFORT H/V Series - Dual flow heat recovery ventilation unit



CODE	MODEL	m³/h max	m³/h [100 Pa]	W	A	dB(A) [1m]	dB(A) [3m]	IP	kg
AP20056	ASPIRCOMFORT 350 H	440	352	170	1,6	50,3	42,6	44	41
AP20058	ASPIRCOMFORT 550 V	520	472	340	2,5	51,9	44,4	44	65

CONTROL DEVICE

CH193VMC	Multifunction LCD panel with temperature measurement, CO ₂ , VOC and %RH
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ACCESSORIES

AP20381	UVC-300	UVC sanitisation kit (lamp and power supply) max 300 m³/h
AP20382	UVC-500	UVC sanitisation kit (lamp and power supply) max 500 m³/h
AP20386	UVC-300B	Air flow box + UVC sanitisation kit max 300 m³/h
AP20387	UVC-500B	Air flow box + UVC sanitisation kit max 500 m³/h
AP20391	RCH-366/270	Enthalpy heat exchanger for AP20053-AP20062-AP20066
AP20392	RCH-232/490	Enthalpy heat exchanger for AP20056
AP20393	RCH-366/400	Enthalpy heat exchanger for AP20058

- AP20056: Vertical/horizontal mounting in false ceiling
- AP20058: Vertical/horizontal mounting on wall
- Suitable for rooms up to 250m² (350H) and 350m² (550V).
- Automatic summer bypass function
- Automatic antifreeze function



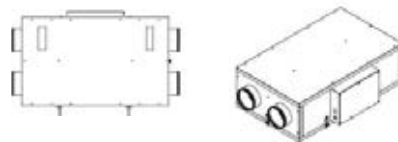
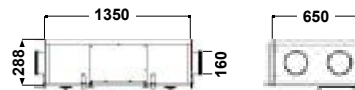
- CH193VMC multifunction remote control panel
- Installation in semi flush-mount boxes 503-type module



- A** ASPIRCOMFORT 350 H
- A** ASPIRCOMFORT 550 V



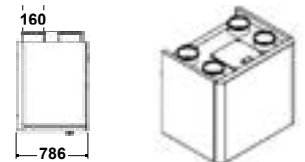
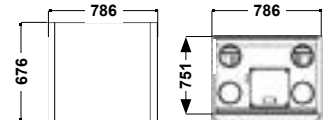
■ ASPIRCOMFORT 350 H
Horizontal installation



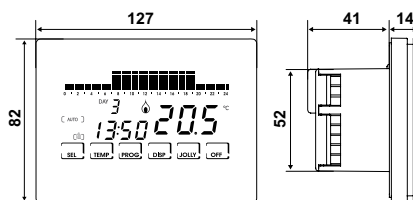
Dimensions (mm)



■ ASPIRCOMFORT 550 V
Vertical installation



■ CH193VMC



ASPIRCOMFORT PRO dH - Heat recovery unit with dehumidification



CODE	MODEL	TOTAL FLOW RATE m³/h [@100 Pa]	AIR RENEWAL FLOW RATE m³/h [@100 Pa]	W	A	dB(A) [1m]	dB(A) [3m]	IP	kg
AP20060	ASPIRCOMFORT PRO 350dH	300	150	130	3,5	48,4	40,7	44	72
AP20062	ASPIRCOMFORT PRO 550dH	500	250	230	5,9	52,7	45	44	91

CONTROL DEVICES

CH193VMC	Multifunction LCD panel with temperature measurement, CO ₂ , VOC and %RH
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ACCESSORIES

AP20381	UVC-300	UVC sanitisation kit (lamp and power supply) max 300 m³/h
AP20382	UVC-500	UVC sanitisation kit (lamp and power supply) max 500 m³/h
AP20386	UVC-300B	Air flow box + UVC sanitisation kit max 300 m³/h
AP20387	UVC-500B	Air flow box + UVC sanitisation kit max 500 m³/h
AP20390	RCH-366/160	Enthalpy heat exchanger for AP20050-AP20052-AP20060-AP20064
AP20391	RCH-366/270	Enthalpy heat exchanger for AP20053-AP20062-AP20066

- Suitable for rooms up to 100m² (DH350) and 150m² (DH550)
- Summer dehumidification function
- Cooling integration
- Automatic summer bypass function
- Automatic antifreeze function
- Horizontal mounting in false ceiling

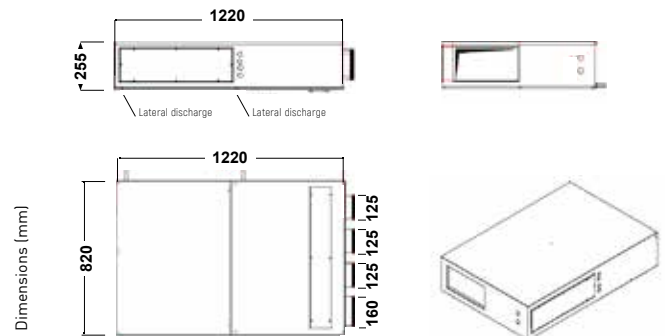


- CH193VMC multifunction remote control panel
- Installation in semi flush-mount boxes 503-type module

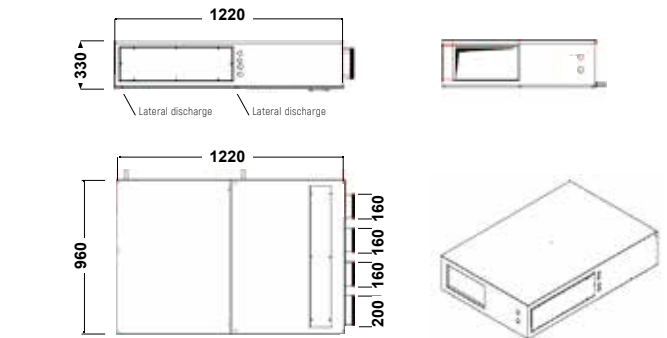


- B** ASPIRCOMFORT PRO 350dH
- A** ASPIRCOMFORT PRO 550dH

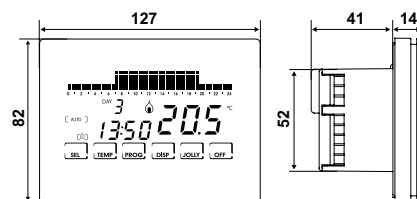
ASPIRCOMFORT PRO 350dH



ASPIRCOMFORT PRO 550dH



CH193VMC



ASPIRCOMFORT PRO iH Series - Heat recovery unit with heating and cooling integration



CODE	MODEL	TOTAL FLOW RATE m³/h [@100 Pa]	AIR RENEWAL FLOW RATE m³/h [@100 Pa]	W	A	dB(A) [1m]	dB(A) [3m]	IP	kg
AP20064	ASPIRCOMFORT PRO 650iH	600	150	211	1,8	49,8	42,8	44	74
AP20066	ASPIRCOMFORT PRO 950iH	900	250	255	2,2	53,6	46,2	44	89

CONTROL DEVICE

CH193VMC	Multifunction LCD panel with temperature measurement, CO ₂ , VOC and %RH
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ACCESSORIES

AP20382	UVC-500	UVC sanitisation kit (lamp and power supply) max 500 m³/h
AP20383	UVC-900	UVC sanitisation kit (lamp and power supply) max 900 m³/h
AP20387	UVC-500B	Air flow box + UVC sanitisation kit max 500 m³/h
AP20388	UVC-900B	Air flow box + UVC sanitisation kit max 900 m³/h
AP20390	RCH-366/160	Enthalpy heat exchanger for AP20050-AP20052-AP20060-AP20064
AP20391	RCH-366/270	Enthalpy heat exchanger for AP20053-AP20062-AP20066

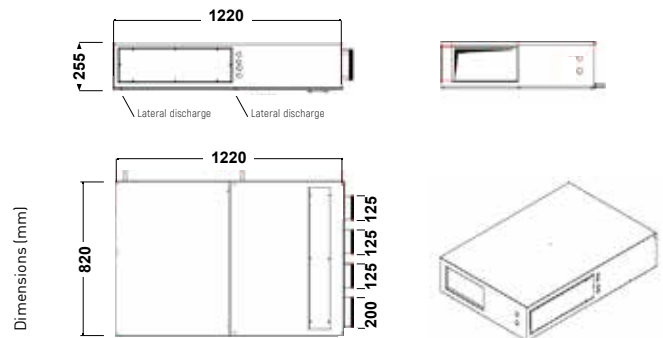
- Suitable for rooms up to 100m² (350iH) and 150m² (550iH)
- Winter function with heating integration
- Summer function with cooling and dehumidification integration
- Automatic summer bypass function
- Automatic antifreeze function
- Horizontal mounting in false-ceiling.



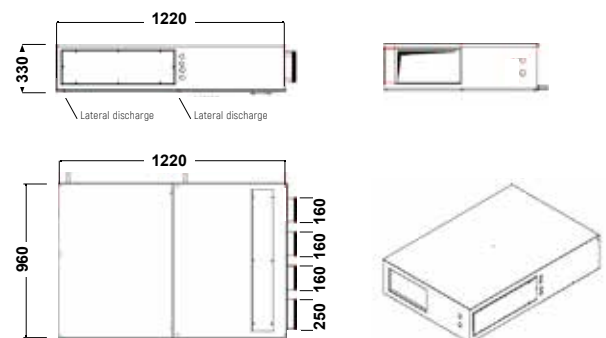
- CH193VMC multifunction remote control panel
- Installation in semi flush-mount boxes 503-type module



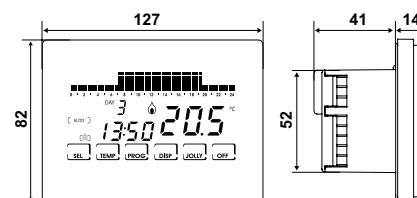
ASPIRCOMFORT PRO 350iH



ASPIRCOMFORT PRO 550iH



CH193VMC



ACCESSORIES

Terminal

External air intake terminal



CODE	MODEL	COLOUR	Ø mm
AP19900	TPE-150 N *	■ BLACK	150
AP19902	TPE-150 G *	■ GRAY	150
AP19904	TPE-180 B *	□ WHITE	180
AP19905	TPE-180 G *	■ GRAY	180

* available upon request

External grille with flow straightener



CODE	MODEL	COLOUR	Ø mm
AP1614	GE125	■ INOX	DN 125 mm
AP1616	GE160	■ INOX	DN 160 mm

Connection pipe

Flexible pipe in aluminium



CODE	MODEL	MATERIAL	LENGTH	Ø
AP19709	TFA 82/10	AL	roll 10 m	82 mm
AP19710	TFA 102/10	AL	roll 10 m	102 mm
AP19711	TFA 127/10	AL	roll 10 m	127 mm
AP19712	TFA 152/10	AL	roll 10 m	152 mm
AP19713	TFA 160/10	AL	roll 10 m	160 mm
AP19714	TFA 204/10	AL	roll 10 m	204 mm

■ Aluminium flexible double-walled pipe in steel wire spiral

ADAPTER FOR FLEXIBLE TUBE DN152 - ASPIRCOMFORT

AP19751	AD15-15	AL ZN		150 mm
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Insulated flexible pipe in aluminium



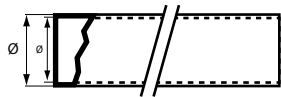
CODE	MODEL	MATERIAL	LENGTH	Ø
AP19715	TFAI 102/10	AL	roll 10 m	102 mm
AP19716	TFAI 127/10	AL	roll 10 m	127 mm
AP19717	TFAI 152/10	AL	roll 10 m	152 mm
AP19718	TFAI 160/10	AL	roll 10 m	160 mm
AP19719	TFAI 204/10	AL	roll 10 m	204 mm

■ Flexible aluminium and polyester pipe with 25mm internal fiberglass insulation layer

ADAPTER FOR FLEXIBLE PIPE DN152 - ASPIRCOMFORT

AP19751	AD15-15	AL ZN		150 mm
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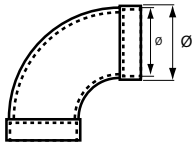
PPE anti-condensation pipe



CODE	MODEL	LENGTH	mm	
			∅ int.	∅ ext.
AP19908	CPE-150 *	1 m	150	180
AP19909	CPE-180 *	1 m	180	210
AP20372	TIP-125 *	1 m	DN 125	
AP19720	TIP-160 *	1 m	DN 160	

* available upon request

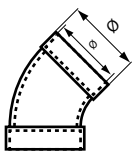
90° elbow in PPE



CODE	MODEL		mm	
			∅ int.	∅ ext.
AP19911	CV90-180 *		180	210
AP19721	CV90-125 *	1 joint included	DN 125	
AP19722	CV90-160 *	1 joint included	DN 160	

* available upon request

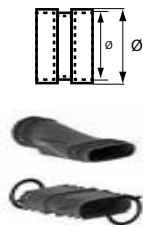
45° elbow in PPE



CODE	MODEL		mm	
			∅ int.	∅ ext.
AP19912	CV45-150 *		150	180
AP19913	CV45-180 *		180	210

* available upon request

PPE junction



CODE	MODEL		mm	
			∅ int.	∅ ext.
AP19914	RC-150 *		150	180
AP19915	RC-180 *		180	210
AP19723	RT-125		DN 125	
AP19724	RT-160		DN 160	
AP19998	ADTP-75 (round pipe => flat pipe)			
AP19999	GTP-75 Connection joint with double O-Ring sealing			

* available upon request

TEE insulated fitting



CODE	MODEL		mm
			∅
AP19767	RTEE-125		DN 125
AP19768	RTEE-160		DN 160
AP19769	RTEE-200		DN 200
AP19770	RTEE-250		DN 250

M/M Nipple



CODE	MODEL	mm
		∅
AP19760	GMM-125	DN125
AP19761	GMM-160	DN160
AP19762	GMM-200	DN200
AP19763	GMM-250	DN250

Fitting reduction



CODE	MODEL	mm
		∅
AP19764	RID FM 160-125	DN160 → DN125
AP19765	RID FM 200-160	DN200 → DN160
AP19766	RID FM 250-200	DN250 → DN200

F/F insulating coupling



CODE	MODEL	mm
		∅
AP19771	MFF-125	DN 125
AP19772	MFF-160	DN 160
AP19773	MFF-200	DN 200
AP19774	MFF-250	DN 250

Plenum box

Insulated distribution plenum



CODE	MODEL	connections n°	m³/h	mm			
				length	width	height	Ø
AP19920	PB5-125	5	140	215	215	145	125
AP19890	PB11-125	11	200	440	190	150	125
AP19921	PB17-150	17	350	680	200	150	150
AP19922	PB14-150	14	300	560	200	150	150
AP19923	PB11-150	11	225	430	200	150	150
AP19924	PB8-150	8	150	310	200	150	150

Insulated steel manifolds with inspection door and lateral/front/perpendicular outlets



CODE	MODEL	connections n°	m³/h	mm			
				length	width	height	Ø
AP20340	PB12-125	16	300	275	223	235	125
AP20342	PB12-160	16	300	275	223	235	160
AP20344	PB16-160	20	500	275	447	235	160
AP20346	PB20-160	32	600	290	675	297	160

Inspectable distribution plenum



CODE	MODEL	connections n°	m³/h	mm			
				length	width	height	Ø
AP19925	PDS (for AP19926)	1	350	233	603	207	int 150
AP19926	PDI (for AP19925)	12	350	271	603	207	DN75 / DN90

Supply plenum



CODE	MODEL	Suitable for
AP20359	PB5-125-650	5 x DN125 AP20060 - AP20064
AP20360	PB125-3	3x125 AP20060 - AP20064
AP20361	PB6-125	6 x DN125 AP20062 - AP20066
AP20362	PB125-5	5x125 AP20062 - AP20066
AP20364	PB200TG2	1x200 AP20060 - AP20064
AP20365	PB200TG3-650	1 x DN200 AP20064
AP20366	PB200TG3	1x200 AP20062 - AP20066
AP20367	PB250TG4	1x250 AP20066
AP20348	PBTG2-8	8x 75/90 AP20060 - AP20064
AP20349	PBTG3-12-650	12x 75/90 AP20064
AP20350	PBTG3-12	12x 75/90 AP20062 - AP20066
AP20351	PBTG4-15	15x 75/90 AP20066

Silencer module



CODE	MODEL	Suitable for
AP20368	SIL-PBTG2	AP20340 - AP20342 - AP20360 - AP20348
AP20370	SIL-PBTG3	AP20344 - AP20359 - AP20362 - AP20349 - AP20350
AP20371	SIL-PBTG4	AP20346 - AP20361 - AP20351

Distribution pipes

Corrugated pipe for supply or return air distribution



- Self-extinguishing HDPE
- With UV treatment and internal anti-static treatment

CODE	MODEL	COLOUR	LENGTH	Ø INTERNAL	DN Ø EXTERNAL
AP19994	TCRM-75	■ BLUE	50 m	63 mm	75 mm
AP19995	TCRM-90	■ BLUE	50 m	76 mm	90 mm

90° fitting between two corrugated tubes and the return valve



CODE	MODEL	mm
		Ø
AP19936	RA2V-75	DN 75

90° fitting between the corrugated pipe and the return valve



CODE	MODEL	mm
		Ø
AP19937	RA1V-90	DN 90

Straight fitting between two corrugated pipes and the return valve



CODE	MODEL	mm
		Ø
AP19938	RR2V-75	DN 75

Straight fitting between the corrugated pipe and the return valve



CODE	MODEL	mm
		Ø
AP19939	RR1V-90	DN 90

Fitting for corrugated pipe with sealing rings



CODE	MODEL	mm
		Ø
AP19932	RTC-75	DN 75
AP19933	RTC-90	DN 90

Fitting between corrugated pipe and plenum with sealing rings



CODE	MODEL	mm
		Ø
AP19934	RTP-75	DN 75
AP19935	RTP-90	DN 90

Manifold/Plenum coupling for pipe take-off



CODE	MODEL	DN Ø external	Suitable for
AP20323	RPB-TC75	75 mm	AP20340-AP20342-AP20344-AP20346- AP20348 AP20349-AP20350-AP20351
AP20327	RPB-TC90	90 mm	AP20340-AP20342-AP20344-AP20346-AP20348 AP20349-AP20350-AP20351

Bracket for securing the corrugated pipe



CODE	MODEL		mm
			Ø
AP19940	STC-75	(10 pcs Kit)	DN 75
AP19941	STC-90	(12 pcs Kit)	DN 90

Dust cap for corrugated pipe and ducts



CODE	MODEL		mm
			Ø
AP19942	STC-75	(10 pcs Kit)	DN 75
AP19943	STC-90	(12 pcs Kit)	DN 90

Flow control diaphragm



CODE	MODEL		Number/pcs/ package
AP19944	DFR		1

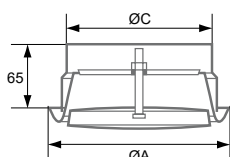
Return and supply air

Cone-shaped return valve



CODE	MODEL	Return air m³/h	mm
			Ø
AP19945	VDC-1	50÷75 adjustable	115

Adjustable supply and/or return valve



CODE	MODEL	m³/h	mm	
			Ø A	Ø C
AP19780	VVA-100	25 ÷ 70	148	99
AP19781	VVA-125	40 ÷ 120	168	124
AP19782	VVA-160	60 ÷ 180	186	149/159
AP19783	VVA-200	70 ÷ 250	240	198

Steel supply and return grille

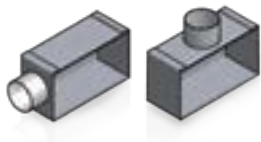


CODE	MODEL		mm		pattern	COLOUR
			width	height		
AP19947	GDA-70G	for PGR, PGRL, PGR H	260	155	slot	SILVER
AP19948	GDR-70G	for PGR, PGRL, PGR H			round	SILVER
AP19949	GDQ-70G	for PGR, PGRL, PGR H			square	SILVER
AP19950	GDA-70B	for PGR, PGRL, PGR H			slot	WHITE
AP19951	GDR-70B	for PGR, PGRL, PGR H			round	WHITE
AP19952	GDQ-70B	for PGR, PGRL, PGR H			square	WHITE
AP20302	GBF-1914	for PGMOD Grille 1x	190	140	round	WHITE
AP20304	GBF-3614	for PGMOD Grille 2x	360	140	round	WHITE
AP20306	GBF-5414	for PGMOD Grille 3x	540	140	round	WHITE
AP20308	GBF-3626	for PGMOD Grille 4x	360	260	round	WHITE
AP20310	GBQ-1914	for PGMOD Grille 1x	190	140	square	WHITE
AP20312	GBQ-3614	for PGMOD Grille 2x	360	140	square	WHITE
AP20314	GBQ-5414	for PGMOD Grille 3x	540	140	square	WHITE
AP20316	GBQ-3626	for PGMOD Grille 4x	360	260	square	WHITE
AP20326	GBF-3315SB	for PGSB	330	150	round	WHITE
AP20328	GBQ-3315SB	for PGSB	330	150	square	WHITE
AP20309	GBQ-3626	for PDM-300	360	260	square	WHITE
AP20313	GBQ-4217	for PDM-400	420	170	square	WHITE
AP20315	GBF-4217	for PDM-400	420	170	round	WHITE
AP20317	GBQ-7626	for PBRIC-200	760	260	square	WHITE
AP20319	GBG-7636	for PBRIC-250	760	360	square	WHITE

Plenum for supply and return grille



CODE	MODEL		mm		
			depth	width	height
AP19953	PGR	Insulated galvanized sheet metal plenum for rectangular grilles	140	232	127



CODE	MODEL		mm		
			depth	width	height
AP19963	PGR 90L	Lateral connection for DN90 pipe	100	232	127
AP19964	PGR 75L	Lateral connection for DN75 pipe	85	232	127
AP19965	PGR 90H	Top connection for DN90 pipe	100	232	127
AP19966	PGR 75H	Top connection for DN75 pipe	85	232	127



CODE	MODEL			Suitable for
AP20303	PDM-300	300 x 200 mm	DN 125 mm	AP20309
AP20305	PDM-400	400 x 150 mm	DN 125 mm	AP20313 - AP20315
AP20330	PBRIC-200	710 x 210 mm	DN 200 mm	AP20317
AP20332	PBRIC-250	710 x 310 mm	DN 250 mm	AP20319

Air diffusers



- PGMOD Modular diffuser in EPP polypropylene, up to 4 grilles
- ABS diffuser with 4 caps

CODE	MODEL	material	Ø	mm		
				depth	width	height
AP20300	PGMOD	PPE	75/90 mm	100	172	120
CODE	MODEL	material	Suitable for			
AP20301	FR-PGMOD	Filtre PGMOD (10 pcs)	PGMOD			



- ABS diffuser with 4 caps

CODE	MODEL	material	Ø	mm		
				depth	width	height
AP20320	PGSB	ABS	75 mm	85	300	120
CODE	MODEL	material	Suitable for			
AP20321	FR-PGSB	Filter for PGSB (10 pcs)	PGSB			

Sleeve with damper



CODE	MODEL	DN Ø external	Suitable for
AP20322	RPGSB-TC75	75 mm	PGSB
AP20324	RPGSB-TC90	90 mm	PGSB

Other accessories

Thermal insulation kit



CODE	MODEL	Suitable for
AP20325	ISO-PGSB	PGSB

CENTRALIZED MECHANICAL VENTILATION WITH HEAT RECOVERY COMMERCIAL BUILDINGS

UVR-HE and UVR-HE DP series - Heat recovery ventilation units



- Ceiling, false ceiling or floor mounting
- 13 single-phase models
- Airflow rates from 500 to 8.500 m³/h
- Equipped with high-efficiency crossflow heat exchangers > 73%
- Control unit with included LCD display
- AP20618, AP20091, AP20093, AP20095 supplied with double paneling
- Compliant with Directive 2009/125/EC and Regulation No. 1253/2014 (Eco Design 2018)



>73%

230V

ErP

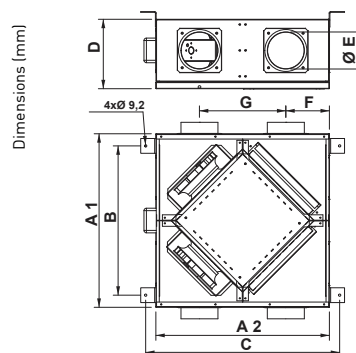


ECO
design

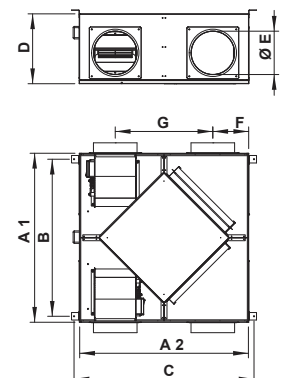
CODE	MODEL	m ³ /h max.	Pa max	W	A	V-	Hz	Ph	Motor class	dB(A) **
AP20600	UVR 500 MF HE DP	500	340	337	2,61	230	50/60	1	F	52,6
AP20602	UVR 700 MF HE DP	700	450	607	4,9	230	50/60	1	F	56
AP20604	UVR 1200 MF HE DP	1200	380	300x2	1,4x2	230	50/60	1	F	53
AP20606	UVR 1600 MF HE DP	1600	550	500x2	2,2x2	230	50/60	1	F	54
AP20608	UVR 2300 MF HE DP	2300	550	680 x 2	2,9x2	230	50/60	1	F	58
AP20610	UVR 2800 MF HE DP	2800	550	900 x 2	4,2x2	230	50/60	1	F	61
AP20612	UVR 3200 MF HE DP	3200	650	1000x2	4,5x2	230	50/60	1	F	61
AP20614	UVR 3800 MF HE DP *	3800	400	1500x2	7,5x2	230	50/60	1	F	61
AP20616	UVR 4500 MF HE DP *	4500	650	2000x2	8,5x2	230	50/60	1	F	61
AP20618	UVR 5400 MF HE DP *	5400	1400	2200x2	3,9x2	230	50/60	1	F	71
AP20620	UVR 6500 MF HE DP *	6500	1200	2x2310	2x9,4	230	50/60	1	F	72
AP20622	UVR 7100 MF HE DP *	7100	1100	2x2370	2x9,3	230	50/60	1	F	74
AP20624	UVR 8500 MF HE DP *	8500	830	2x2380	2x9,8	230	50/60	1	F	77

* available upon request

** sound power level (LWA)



- REVERSE BLADES
AP20600, AP20602; AP20604,
AP20606



- FORWARD BLADES
AP20608, AP20610, AP20612, AP20614,
AP20616, AP20618, AP20620, AP20622,
AP20624

CODE	MODEL	mm								Kg
		A1	A2	B	C	D	ØE	F	G	
AP20600	UVR 500 MF HE DP	900	900	750	960	400	150	200	500	66,0
AP20602	UVR 700 MF HE DP	1050	1050	900	1110	400	150	275	500	77,0
AP20604	UVR 1200 MF HE DP	1250	1250	1100	1350	550	315	300	650	110,0
AP20606	UVR 1600 MF HE DP	1250	1250	1100	1310	645	315	300	650	170,0
AP20608	UVR 2300 MF HE DP	1380	1380	1200	1440	600	355	315	750	200,0
AP20610	UVR 2800 MF HE DP	1380	1380	1200	1440	650	355	315	750	230,0
AP20612	UVR 3200 MF HE DP	1380	1380	1200	1440	750	350	325	730	195,0
AP20614	UVR 3800 MF HE DP	1380	1380	1200	1440	750	350	325	730	195,0
AP20616	UVR 4500 MF HE DP	1505	1505	1410	1470	750	350	340	930	290,0
AP20618	UVR 5400 MF HE DP	1680	1680	1080	1080	810	450	340	1020	370,0
AP20620	UVR 6500 MF HE DP	1700	1650	1080	1760	800	450	310	940	370,0
AP20622	UVR 7100 MF HE DP	2170	2150	-	-	1100	600	435	1300	500,0
AP20624	UVR 8500 MF HE DP	2170	2150	-	-	1100	600	435	1300	500,0

ACCESSORIES

Water battery module



- Box in galvanized sheet metal, press-formed
- Circular section inlet/outlet connections
- 2 rows
- R.H. 50%
- Air inlet temperature: 10°C

POST-HEATING

Water input/output temperature: 45/40°C

CODE	MODEL	for	H ₂ O [m ³ /h]	Thermal output (kW)	Air output temp. (°C)	%RH	Air pressure drop (Pa)	Water pressure drop (kPa)	Ø conn.
AP20102	BAT_AC-2_05-07 *	UVR 500 MF HE DP	0,3	2	21,8	23	35	3,9	¾"
		UVR 700 MF HE DP	0,4	2,8	21,8	23	62	7,3	
AP20104	BAT_AC-2_12 *	UVR 1200 MF HE DP	0,7	4,9	21,8	23	55	9,6	¾"
AP20106	BAT_AC-2_16 *	UVR 1600 MF HE DP	0,9	6,9	22,5	22	90	18,8	¾"
AP20108	BAT_AC-2_2300-2800 *	UVR 2300 MF HE DP	1,4	9,5	21,9	22	59	12,1	¾"
		UVR 2800 MF HE DP	1,7	11,5	21,8	22	82	17,3	
AP20112	BAT_AC-2_3200 *	UVR 3200 MF HE DP	1,9	13,4	22,1	23	102	23,4	¾"
AP20114	BAT_AC-2_38-45 *	UVR 3800 MF HE DP	2,3	15,6	21,8	23	100	11,3	1"
		UVR 4500 MF HE DP	2,7	18,5	21,8	23	133	15,6	
AP20116	BAT_AC-2_54 *	UVR 5400 MF HE DP	3,3	22,2	21,8	23	45	13,8	1"
AP20118	BAT_AC-2_65 *	UVR 6500 MF HE DP	3,6	26,9	21,9	23	62	20,1	1"
AP20121	BAT_AC-2_71-85 *	UVR 7100 MF HE DP	4,3	29,1	21,8	23	50	19,3	1¼"
		UVR 8500 MF HE DP	4,9	33,6	21,4	23	68	25,4	

Water input/output temperature: 60/55 °C

AP20102	BAT_AC-2_05-07 *	UVR 500 MF HE DP	0,3	3,1	28,1	15,7	35	8,7	¾"
		UVR 700 MF HE DP	0,4	4,3	27,9	15,8	63	16,4	
AP20104	BAT_AC-2_12 *	UVR 1200 MF HE DP	0,7	7,4	27,9	15,9	56	21,4	¾"
AP20106	BAT_AC-2_16 *	UVR 1600 MF HE DP	0,9	8,3	25	18,8	90	26,7	¾"
AP20108	BAT_AC-2_2300-2800 *	UVR 2300 MF HE DP	1,4	12,8	26	17,7	59	21,1	¾"
		UVR 2800 MF HE DP	1,7	14,7	25	18,8	82	27,4	
AP20112	BAT_AC-2_3200 *	UVR 3200 MF HE DP	1,9	15,4	23,8	20,3	102	29,9	¾"
AP20114	BAT_AC-2_38-45 *	UVR 3800 MF HE DP	2,3	23,9	28,1	15,6	101	25,6	1"
		UVR 4500 MF HE DP	2,7	24,2	25,4	18,4	133	26,1	
AP20116	BAT_AC-2_54 *	UVR 5400 MF HE DP	3,3	30,8	26,4	17,3	46	25,6	1"
AP20118	BAT_AC-2_65 *	UVR 6500 MF HE DP	3,6	33,4	24,8	19,2	62	29,8	1"
AP20121	BAT_AC-2_71-85 *	UVR 7100 MF HE DP	4,3	36,6	24,8	19,1	50	29,5	1¼"
		UVR 8500 MF HE DP	4,9	36,8	22,4	22,2	68	29,7	

Water input/output temperature: 80/70 °C

AP20102	BAT_AC-2_05-07 *	UVR 500 MF HE DP	0,3	4,2	34	11	36	3,9	¾"
		UVR 700 MF HE DP	0,4	5,8	34	11	63	7,5	
AP20104	BAT_AC-2_12 *	UVR 1200 MF HE DP	0,7	10	34	11	56	9,8	¾"
AP20106	BAT_AC-2_16 *	UVR 1600 MF HE DP	0,9	14,1	35,3	10,2	91	19	¾"
AP20108	BAT_AC-2_2300-2800 *	UVR 2300 MF HE DP	1,4	19,5	34,4	10,8	59	12,3	¾"
		UVR 2800 MF HE DP	1,7	23,4	34	11	83	17,5	
AP20112	BAT_AC-2_3200 *	UVR 3200 MF HE DP	1,9	27,4	34,6	10,6	103	23,7	¾"
AP20114	BAT_AC-2_38-45 *	UVR 3800 MF HE DP	2,3	32	34,2	10,9	101	11,6	1"
		UVR 4500 MF HE DP	2,7	37,8	34,1	10,9	135	16	
AP20116	BAT_AC-2_54 *	UVR 5400 MF HE DP	3,3	44,8	33,8	11,1	46	13,7	1"
AP20118	BAT_AC-2_65 *	UVR 6500 MF HE DP	3,6	54,6	34,1	10,9	63	20	1"
AP20121	BAT_AC-2_71-85 *	UVR 7100 MF HE DP	4,3	58,9	33,8	11,1	51	19,1	1¼"
		UVR 8500 MF HE DP	4,9	69,6	33,5	11,3	69	26,4	

* available upon request

POST COOLING

CODE	MODEL	for	H ₂ O [m ³ /h]	Thermal output (kW)	R. H. output (%)	Air pressure drop (Pa)	Water pressure drop (kPa)	Ø conn.
AP20202	BAT_AF-4_05-07 *	UVR 500 MF HE DP	0,2	2,9	89	47	11,1	½"
		UVR 700 MF HE DP	0,2	4,1	88	83	21,1	
AP20204	BAT_AF-4_12 *	UVR 1200 MF HE DP	0,6	6,9	89	74	10,9	½"
AP20206	BAT_AF-4_16 *	UVR 1600 MF HE DP	0,8	9,4	88	119	18,7	½"
AP20208	BAT_AF-4_23 *	UVR 2300 MF HE DP	1,1	13,5	88	117	17,5	¾"
AP20212	BAT_AF-4_2800 *	UVR 2800 MF HE DP	1,4	16,2	89	113	12,9	¾"
AP20214	BAT_AF-4_3200 *	UVR 3200 MF HE DP	1,6	18,8	88	140	16,6	¾"
		UVR 3800 MF HE DP	1,9	22	89	118	12,5	
AP20216	BAT_AF-4_38-45 *	UVR 4500 MF HE DP	2,3	26,4	88	156	17,1	1"
		UVR 5400 MF HE DP	2,9	31,5	88	60	13,3	
AP20218	BAT_AF-4_54 *	UVR 5400 MF HE DP	2,9	31,5	88	60	13,3	1¼"
AP20221	BAT_AF-4_65 *	UVR 6500 MF HE DP	3,5	38,5	88	82	18,7	1¼"
AP20223	BAT_AF-4_71-85 *	UVR 7100 MF HE DP	3,7	41,5	88	65	15	1¼"
		UVR 8500 MF HE DP	4,6	50,3	88	88	21	

* available upon request

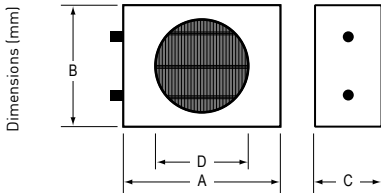
- Box in galvanized sheet metal, press-formed
- Circular section input/output connections
- 4 rows
- R.H. 60%
- Water input/output temperature: 7/12°C
- Air input/output temperature: 30/20°C
- Can be supplied with hot water to function as heating batteries

POST-HEATING

MODEL	mm			
	A	B	C	ØD
BAT_AC-2_05-07	410	350	300	150
BAT_AC-2_12	620	350	300	180
BAT_AC-2_16	620	350	300	250
BAT_AC-2_2300-2800	790	410	300	315
BAT_AC-2_3200	790	410	300	350
BAT_AC-2_38-45	790	530	300	350
BAT_AC-2_54	1170	650	400	350
BAT_AC-2_65	1170	650	400	450
BAT_AC-2_71-85	1100	1100	400	600

POST-COOLING

MODEL	mm			
	A	B	C	ØD
BAT_AF-4_05-07	410	350	300	150
BAT_AF-4_12	620	350	300	180
BAT_AF-4_16	620	350	300	250
BAT_AF-4_23	670	410	300	315
BAT_AF-4_2800	790	410	300	315
BAT_AF-4_3200	790	410	300	350
BAT_AF-4_38-45	790	530	300	350
BAT_AF-4_54	1170	650	400	350
BAT_AF-4_65	1170	650	400	450
BAT_AF-4_71-85	1100	1100	400	600



Electric heating elements for pre-heating and post-heating



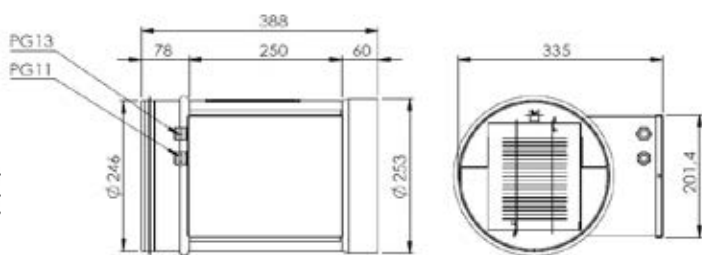
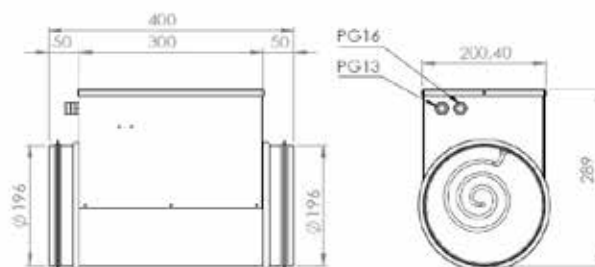
CODE	MODEL	V~	Hz	IP	THERMAL OUTPUT (W)	Ø conn.
AP19431	BE 150-2	230	50	40	2000	150 mm
AP19432	BE 200-3	230	50	40	3000	200 mm
AP19433	BE 250-4	230	50	40	4000	250 mm
AP19435	BE 315-4	230	50	40	4000	315 mm
AP19437	BE 355-6	230	50	40	6000	355 mm



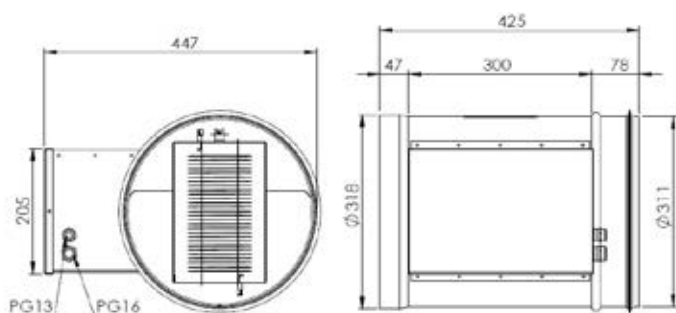
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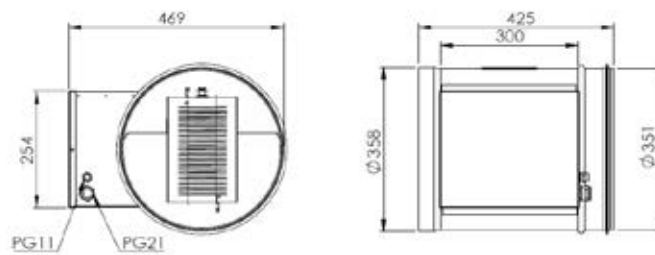
AP19432



AP19433



AP19435



AP19437





UNIVERSAL FANS

PAGE 104



AXIAL FANS

PAGE 105



CENTRIFUGAL FANS

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ROOF CENTRIFUGAL FANS

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ACCESSORIES

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S - Standard model



T - Model with programmable switch-off timer



PIR - Model with automatic presence detection



HT - Model with automatic humidity control and programmable switch-off timer



PC - Model with cord control



HPC - Model with automatic humidity control and with cord control



Power supply 230V-50Hz



Power supply 230-240V - 50Hz



Protection rating IPX4



Protection rating IP20



Double insulation



Requires grounding



For installation in industrial environments



For installation in commercial environments



For installation in livestock environments



3 years warranty



Up to 90% heat recovery



A Energy class



ASPIRA product brand

DOMESTIC FANS



UNIVERSAL FANS

ASPIRANTE - High-pressure axial fans



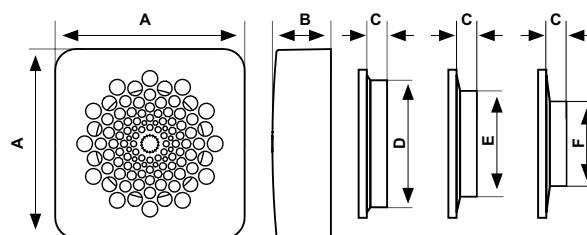
- One product for all diameters
- One product for all applications
- Available with timer and humidity control
- Check-valve included



CODE	MODEL	∅	m³/h	m³/h WINDOW	Pa	W	dB(A) 3mt
AP3100	ASPIRANTE	80 mm / 3"	55	40	86	23	41,5
		100 mm / 4"	100	80	86	23	43
		120 mm / 5"	130	105	88	24	43
AP3102	ASPIRANTE T	80 mm / 3"	55	40	86	23	41,5
		100 mm / 4"	100	80	86	23	43
		120 mm / 5"	130	105	88	24	43
AP3104	ASPIRANTE HT	80 mm / 3"	55	40	86	23	41,5
		100 mm / 4"	100	80	86	23	43
		120 mm / 5"	130	105	88	24	43
AP0902	ADAPTER Ø90 ASPIRANTE	90 mm / 3,5"	90	72	83	23	41,5
KIT FOR WINDOW APPLICATION							
AP0900	ASPIRKIT VETRO N						
TIMER							
AP0904	ASPIRTIMER N						
TIMER WITH HYGROSTAT							
AP0906	ASPIRHYGRO TIMER						
SPEED REGULATOR (only for MODEL AP3100)							
AP2568	ASPIRCONTROL RDV 1,5-MF						

Dimensions (mm)

A	B	C	D	E	F
180	57	19	119	98	79,5



AXIAL FANS

ASPIRVELO AIR - Axial fans with lateral intake



- Low profile nozzle
- Smooth front, lateral intake
- Check-valve included
- Available with timer and humidity control.



CODE	MODEL	m ³ /h	m ³ /h WINDOW	Pa	W	dB(A) 1,5 m	kg
AP3060	ASPIRVELO AIR 10/4"	82	66	32	19	38,2	0,66
AP3062	ASPIRVELO AIR 12/5"	165	132	38	26	44,8	0,74
AP3064	ASPIRVELO AIR 15/6"	185	150	20	32	42	0,9
AP3070	ASPIRVELO AIR 10/4" T	82	66	32	19	38,2	0,66
AP3072	ASPIRVELO AIR 12/5" T	165	132	38	26	44,8	0,74
AP3074	ASPIRVELO AIR 15/6" T	185	150	20	32	42	0,9
AP3080	ASPIRVELO AIR 10/4" HT	82	66	32	19	38,2	0,66
AP3082	ASPIRVELO AIR 12/5" HT	165	132	38	26	44,8	0,74
AP3084	ASPIRVELO AIR 15/6" HT	185	150	20	32	42	0,9

KIT FOR WINDOW APPLICATION

AP0900 ASPIRKIT VETRO N

TIMER

AP0904 ASPIRTIMER N

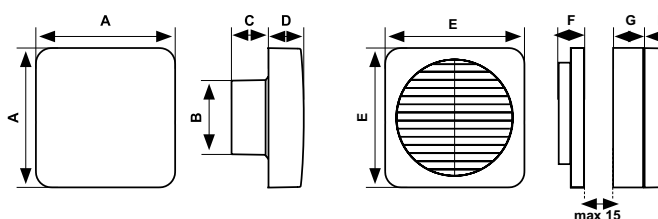
TIMER WITH HYGROSTAT

AP0906 ASPIRHYGRO TIMER

SPEED REGULATOR (only for the models AP3060 - AP3062 - AP3064)

AP2568 ASPIRCONTROL RDV 1,5-MF

MODEL	wall application (mm)				window application (mm)		
	A	Ø B	C	D	E	F	G
ASPIRVELO AIR 10/4"	180	97,5	47	47	180	33,5	29
ASPIRVELO AIR 12/5"	180	118	54	47	180	33,5	29
ASPIRVELO AIR 15/6"	180	150	61	47	180	33,5	29



ECOCOMFORT - Single room heat recovery unit



MASTER UNITS

CODE	MODEL	Ø DN TUBE	MAX AMBIENT DIMENSIONS	SPEED	m³/h	POWER CONSUMPTION	POWER SUPPLY	dB(A) 1,5 m
AP19980	ECOCOMFORT 160	160 mm	44 m ² (1)	low	38	2,0 W	230 V~ 50 Hz	28
				high	60	4,0 W		34
AP19984	ECOCOMFORT 100	100 mm	20 m ² (1)	low	12	1,5 W	230 V~ 50 Hz	21
				high	25	2 W		24

SATELLITE UNITS

CODE	MODEL	Ø DN TUBE	MAX AMBIENT DIMENSIONS	SPEED	m³/h	POWER CONSUMPTION	POWER SUPPLY	dB(A) 1,5 m
AP19979	ECOCOMFORT SAT 160	160 mm	44 m ² (1)	low	38	2,0 W	230 V~ 50 Hz	28
				high	60	4,0 W		34
AP19985	ECOCOMFORT SAT 100	100 mm	20 m ² (1)	low	12	1,5 W	230 V~ 50 Hz	21
				high	25	2 W		24

(1) data calculation based on air exchange rate of 0.5 Vol/h and a room height of 2.70m with one master unit and one satellite unit.

Calculation example: room area x 2.70m x 0.5 Vol/h

By increasing the number of satellite units, it is possible to increase the coverage in sqm².

- Mounting on perimeter walls
- High efficiency ceramic heat exchanger up to 90%
- Simultaneous management up to 4 ventilation units
- External expansion grille with installation from inside
- Telescopic tube for a quick and easy application
- Flow straightener to guarantee higher performances (160 mm diameter versions)
- Complies with regulations (EU) 1254/2014

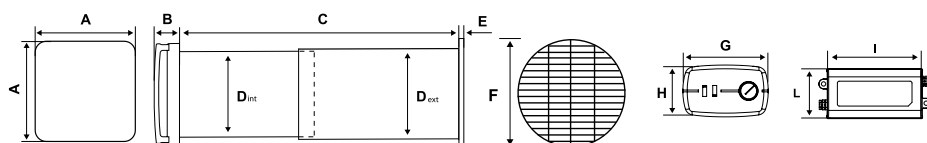


ventilation control unit



ACCESSORIES AND SPARE PARTS

AP19986	Setup kit	for the models ECOCOMFORT 160
AP19978	Spare filter FR004	for all the models ECOCOMFORT
AP1613	Windproof and rainproof grille GE150	for the models ECOCOMFORT 160
AP19880	Silencer SLF 150	for the models ECOCOMFORT 160



Dimensions (mm)	MODEL	A	B	C*	D _{ext}	D _{int}	E	F	F	G	H	I	L
		ECOCOMFORT 160			530	160	150				140	85	77
	ECOCOMFORT SAT 160	180	47				20	190	190	-	-	-	-
	ECOCOMFORT 100			570	107	100				140	85	77	40
	ECOCOMFORT SAT 100									-	-	-	-

* for wall thicknesses between 240 mm and 280 mm, cut the DN TUBE and use a standard exterior grille (not included).

ECOCOMFORT PLUS - Single room heat recovery unit with IR remote control



ECOCOMFORT PLUS

- Mounting on perimeter walls
- Infrared ray control
- High efficiency ceramic heat exchanger up to 90%
- Sensors: temperature, VOC, humidity and twilight
- Flow straightener to guarantee higher performances (AP19993)
- Complies with regulations (EU) 1254/2014.



ventilation unit remote control

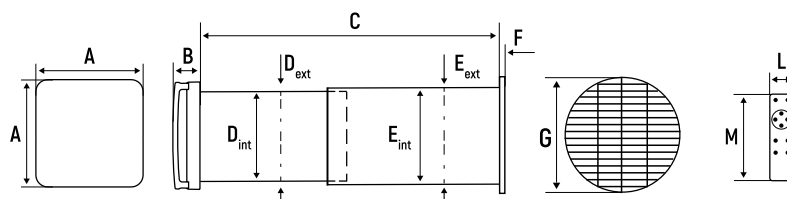
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CODE	MODEL	Ø DN TUBE	MAX AMBIENT DIMENSIONS	SPEED	m ³ /h	POWER CONSUMPTION	POWER SUPPLY	dB(A) 1,5 m
AP19993	ECOCOMFORT PLUS 160	160 mm	35 m ² (1)	low	28	2,8 W	110 V ÷ 230 V~ 50/60 Hz	26
				medium	33	5,2 W		30
				high	50	8,9 W		36
				sleep	15	1,6		n.d.
AP19989	ECOCOMFORT PLUS 100	100 mm	20 m ² (1)	low	7	2,0 W	110 V ÷ 230 V~ 50/60 Hz	18
				medium	16	3,5 W		23
				high	26	5, W		28
				sleep	5	n.d.		n.d.
AP199931	ECOCOMFORT PLUS 160 WITHOUT REMOTE CONTROL	160 mm	35 m ² (1)	low	28	2,8 W	110 V ÷ 230 V~ 50/60 Hz	26
				medium	33	5,2 W		30
				high	50	8,9 W		36
				sleep	15	1,6		n.d.
AP199891	ECOCOMFORT PLUS 100 WITHOUT REMOTE CONTROL	100 mm	20 m ² (1)	low	7	2,0 W	110 V ÷ 230 V~ 50/60 Hz	18
				medium	16	3,5 W		23
				high	26	5, W		28
				sleep	5	n.d.		n.d.

(1) data calculation based on air exchange rate of 0.5 Vol/h and a room height of 2.70m with one master unit and one satellite unit.
Calculation example: room area x 2.70m x 0.5 Vol/h
By increasing the number of satellite units, it is possible to increase the coverage in sqm².

ACCESSORIES AND SPARE PARTS:

AP19986	Setup Kit	for the models ECOCOMFORT 160
AP19978	Spare filter FR004	for all the models ECOCOMFORT
AP1613	Windproof and rainproof grille GE150	for the models ECOCOMFORT 160
AP19880	Silencer SLF 150	for the models ECOCOMFORT 160



Dimensions (mm)	MODEL	A	B	C*	D _{int}	D _{ext}	E _{int}	E _{ext}	F	G	L	M
	ECOCOMFORT PLUS 160	180	47	280/530	150	154	156	160	20	190	40	150
	ECOCOMFORT PLUS 100			280/570	100	103	104	107				

* for wall thicknesses between 240mm and 280mm, cut the DN TUBE and use a standard exterior grille (not included).

ECOCOMFORT 3 - Single room heat recovery unit with smart functions and A.I.



CODE	MODEL	Ø DN TUBE	SPEED	m³/h	POWER CONSUMPTION	POWER SUPPLY	dB(A) 1,5 m
AP19996	ECOCOMFORT 3	160 mm	V1	30	3 W	230 V~ 50 Hz	20,5
			V2	50	5 W		29,5
			V3	75	8 W		37,0
			Sleep	15	2,5 W		nd
			Boost*	100	20 W		45,8



Intelliclima+
APP is available
for free on:



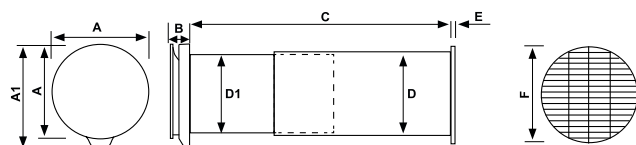
- High efficiency ceramic heat exchanger up to 90%
- Setting and remote control via App on iOS and Android
- Weekly programming
- Sensors: relative humidity, air quality, twilight and temperature
- Mounting on perimeter walls
- Compliant with the Directive 2009/125/CE Energy Related Products (ERP) – Ecodesign 2018

Look at the video instructions on the Fantini Cosmi channel

* Manual speed adjustment not available

ACCESSORIES AND SPARE PARTS:

AP1984	ISO Coarse filter FR007
AP1985	Insulating panel FR008
AP1613	Windproof and rainproof grille GE150
AP19881	Silencer Kit SLF160
AP19986	Pre-installation kit



Dimensions (mm)

CODE	A	A1	B	C	D	D1	E	F
AP19996	230	250	55	280 ÷ 530	160 (Ø external)	154 (Ø external)	20	190
					156 (Ø internal)	15 (Ø internal)		

** For wall thicknesses between 230 mm and 280 mm, cut the pipe and use a standard external grille (not included).

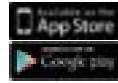
RHINOCOMFORT 3 - Single room heat recovery unit with air sanitisation



CODE	MODEL	Ø DN TUBE	SPEED	m³/h	POWER CONSUMPTION	POWER SUPPLY	dB(A) 1,5 m
AP19997	RHINOCOMFORT 3	160 mm	V1	30	3 W	230 V~ 50 Hz	20,5
			V2	50	5 W		29,5
			V3	75	8 W		37,0
			Sleep	15	2,5 W		nd
			Boost*	100	20 W		45,8



Intelliclima+
APP is available
for free on:



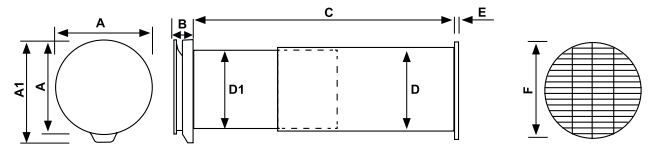
Look at the video instructions
on the Fantini Cosmi channel

* Manual speed adjustment not available

ACCESSORIES AND SPARE PARTS:

AP1984	ISO Coarse filter FR007
AP1985	Insulating panel FR008
AP1613	Windproof and rainproof grille GE150
AP19881	Silencer Kit SLF160
AP19986	Pre-installation kit

- Photocatalytic system with zero ozone emissions for the sanitization of the air drawn in from the outside
- High efficiency ceramic heat exchanger up to 90%
- Setting and remote control via App on iOS and Android
- Weekly programming
- Sensors: relative humidity, air quality, twilight and temperature
- Mounting on perimeter walls
- Compliant with the Directive 2009/125/CE Energy Related Products (ERP) – Ecodesign 2018



Dimensions (mm)

CODE	A	A1	B	C	D	D1	E	F
AP19997	230	250	55	280 ÷ 530	160 (Ø external)	154 (Ø external)	20	190
					156 (Ø internal)	15 (Ø internal)		

** For wall thicknesses between 250 mm and 280 mm, cut the pipe and use a standard external grille (not included).

ASPIRVELO - Axial fans



- Low profile nozzle
- Check-valve included
- Available with timer and humidity control



CODE	MODEL	m ³ /h	m ³ /h WINDOW	Pa	W	dB(A) 1,5 m	kg
AP3000	ASPIRVELO 10/4"	87	70	39	19	42	0,62
AP3002	ASPIRVELO 12/5"	195	156	64	26	50	0,70
AP3004	ASPIRVELO 15/6"	260	210	58	32	52	0,85
AP3010	ASPIRVELO 10/4" T	87	70	39	19	42	0,62
AP3012	ASPIRVELO 12/5" T	195	156	64	26	50	0,70
AP3014	ASPIRVELO 15/6" T	260	210	58	32	52	0,85
AP3020	ASPIRVELO 10/4" HT	87	70	39	19	42	0,62
AP3022	ASPIRVELO 12/5" HT	195	156	64	26	50	0,70
AP3024	ASPIRVELO 15/6" HT	260	210	58	32	52	0,85

KIT FOR WINDOW APPLICATION

AP0900 ASPIRKIT VETRO N

TIMER

AP0904 ASPIRTIMER N

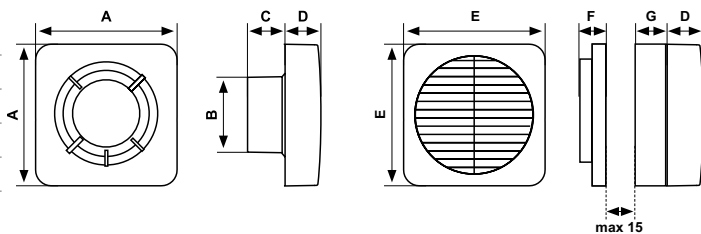
TIMER WITH HYGROSTAT

AP0906 ASPIRHYGRO TIMER

SPEED REGULATOR (only for the models AP3000 - AP3002 - AP3004)

AP2568 ASPIRCONTROL RDV 1,5-MF

MODEL	wall application (mm)				window application (mm)		
	A	Ø B	C	D	E	F	G
ASPIRVELO 10/4"	180	97,5	47	41,5	180	33,5	29
ASPIRVELO 12/5"	180	118	54	41,5	180	33,5	29
ASPIRVELO 15/6"	180	150	61	41,5	180	33,5	29



ASPIRVELO MATIC - Axial fans



- Low profile nozzle
- With automatic shutter
- Available with timer and humidity control



CODE	MODEL	m ³ /h	m ³ /h WINDOW	Pa	W	dB(A) 1,5 m	kg
AP3030	ASPIRVELO MATIC 10/4" S	85	68	39	22	42	0,62
AP3032	ASPIRVELO MATIC 12/5" S	170	135	59	27	45	0,70
AP3040	ASPIRVELO MATIC 10/4" T	85	68	39	22	42	0,62
AP3042	ASPIRVELO MATIC 12/5" T	170	135	59	27	45	0,70
AP3050	ASPIRVELO MATIC 10/4" HT	85	68	39	22	42	0,62
AP3052	ASPIRVELO MATIC 12/5" HT	170	135	59	27	45	0,70

KIT FOR WINDOW APPLICATION

AP0900 ASPIRKIT VETRO N

TIMER

AP0904 ASPIRTIMER N

TIMER WITH HYGROSTAT

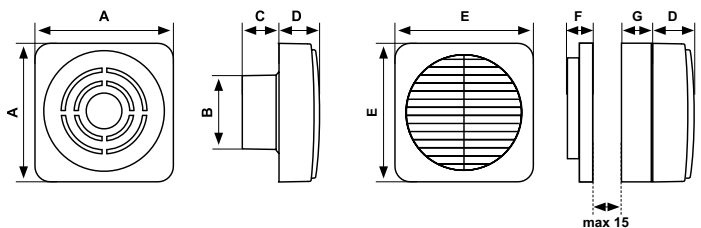
AP0906 ASPIRHYGRO TIMER

EXTERNAL CLOSURE WITH FIXED GRILLE

AP0885 ASPIRZIP F10 for ASPIRVELO MATIC 10/4"

AP0893 ASPIRZIP F12 for ASPIRVELO MATIC 12/5"

MODEL	wall application (mm)				window application (mm)		
	A	Ø B	C	D	E	F	G
ASPIRVELO MATIC 10/4"	180	97,5	47	45,5	180	33,5	29
ASPIRVELO MATIC 12/5"	180	118	54	45,5	180	33,5	29



EVOLUTION EV series - Extra-flat axial fans



- Direct expulsion to the outside through a short duct
- Wall-mounted application
- Quick and secure installation

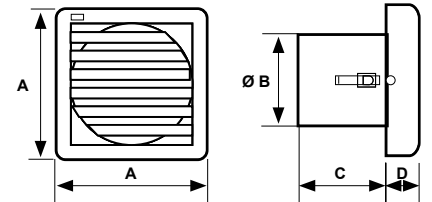


CODE	MODEL	m ³ /h	Pt max Pa	W	dB(A) 1,5 m	kg	
AP0380	EV 10/4" S	65	24	16	37	0,65	
AP0463	EV 12/5" S	150	42	20	40	0,75	
AP0505	EV 15/6" S	200	39	27	44	0,95	
AP0398	EV 10/4" T	65	24	16	37	0,65	
AP0471	EV 12/5" T	150	42	20	40	0,75	
AP0521	EV 15/6" T	200	39	27	44	0,95	
AP0455	EV 10/4" PIR	65	24	16	37	0,65	
AP0497	EV 12/5" PIR	150	42	20	40	0,75	
AP0554	EV 15/6" PIR	200	39	27	44	0,95	
AP0406	EV 10/4" HT	65	24	16	37	0,65	
AP0489	EV 12/5" HT	150	42	20	40	0,75	
AP0547	EV 15/6" HT	200	39	27	44	0,95	
PROTECTIVE GRILLE						for application on	Ø mm
AP0034	SF 10/4"	EV, EVM, FL 10/4" series				96	
AP0042	SF 12/5"	EV, EVM, FL 12/5" series				118	
AP0059	SF 15/6"	EV, EVM, FL 15/6" series				147	
SPEED REGULATOR (only for the « S » standard models)							
AP2568	ASPIRCONTROL RDV 1,5-MF						



mounting without holes

MODEL	mm			
	A	Ø B	C	D
EV 10/4"	165	95,5	93	17
EV 12/5"	165	118	102	17
EV 15/6"	165	147	107	17



EVOLUTION EVM series - Extra-flat axial fans with automatic shutters



- Direct expulsion to the outside through a short duct
- Wall-mounted application
- Quick and secure installation

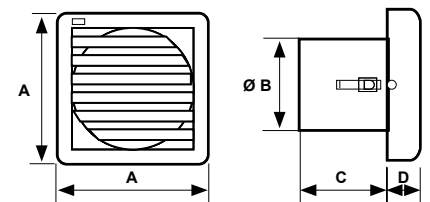


CODE	MODEL	m ³ /h	Pt max Pa	W	dB(A) 1,5 m	kg	
AP0588	EVM 10/4" S	60	24	20	37	0,70	
AP0638	EVM 12/5" S	130	42	23	40	0,80	
AP0661	EVM 15/6" S	185	38	30	44	1,00	
AP0604	EVM 10/4" T	60	24	20	37	0,70	
AP0646	EVM 12/5" T	130	42	23	40	0,80	
AP0679	EVM 15/6" T	185	38	30	44	1,00	
AP0620	EVM 10/4" PIR	60	24	20	37	0,70	
AP0653	EVM 12/5" PIR	130	42	23	40	0,80	
AP0687	EVM 15/6" PIR	185	38	30	44	1,00	
PROTECTIVE GRILLE						for application on	Ø mm
AP0034	SF 10/4"	EV, EVM, FL 10/4" series				96	
AP0042	SF 12/5"	EV, EVM, FL 12/5" series				118	
AP0059	SF 15/6"	EV, EVM, FL 15/6" series				147	
SPEED REGULATOR (only for the « S » standard models)							
AP2568	ASPIRCONTROL RDV 1,5-MF						



mounting without holes

MODEL	mm			
	A	Ø B	C	D
EVM 10/4"	165	95,5	93	17
EVM 12/5"	165	118	102	17
EVM 15/6"	165	147	107	17



EVOLUTION FL series - Duct axial fans



- Direct expulsion to the outside through a short duct
- Recessed installation.



230V
240V

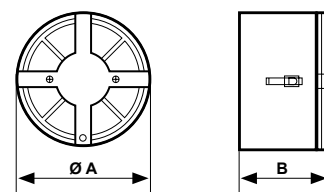


CODE	MODEL	m ³ /h	Pt max Pa	W	dB(A) 1,5 m	kg
AP0117	FL 10/4" S	75	24	16	37	0,50
AP0133	FL 12/5" S	175	42	20	40	0,60
AP0158	FL 15/6" S	250	37	26	44	0,80
AP0125	FL 10/4" T	75	24	16	37	0,50
AP0141	FL 12/5" T	175	42	20	40	0,60
AP0166	FL 15/6" T	250	37	26	44	0,80
PROTECTIVE GRILLE for application on						Ø mm
AP0034	SF 10/4"	EV, EVM, FL 10/4" series				96
AP0042	SF 12/5"	EV, EVM, FL 12/5" series				118
AP0059	SF 15/6"	EV, EVM, FL 15/6" series				147
PAIR OF BRACKETS						
AP0067	« FL » PAIR OF BRACKETS	FL series				
SPEED REGULATOR (only for the « S » standard models)						
AP2568	ASPIRCONTROL RDV 1,5-MF					



mounting without holes

MODEL	mm	
	Ø A	B
FL 10/4"	95,5	100
FL 12/5"	118	109
FL 15/6"	147	114



EVOLUTION KL series - Axial fans in kit



- Direct expulsion to the outside in a short duct
- Recessed installation

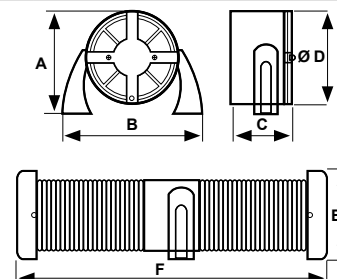


230V
240V



CODE	MODEL	m ³ /h	Pt max Pa	W	dB(A) 1,5 m	kg
AP0281	KL 10/4" S	75	24	16	37	1,10
AP0307	KL 12/5" S	175	42	20	40	1,30
AP0364	KL 15/6" S	250	37	26	44	1,50
AP0299	KL 10/4" T	75	24	16	37	1,10
AP0356	KL 12/5" T	175	42	20	40	1,30
AP0372	KL 15/6" T	250	37	26	44	1,50
SPEED REGULATOR (only for the « S » standard models)						
AP2568	ASPIRCONTROL RDV 1,5-MF					

MODEL	mm					
	A	B	C	ØD	E	F
KL 10/4"	136	160	100	95,5	165x165	3 m
KL 12/5"	147	182	109	118	165x165	3 m
KL 15/6"	162	211	114	147	165x165	3 m



ASPIRSIMPLEX series - Axial fans



CODE	MODEL	m ³ /h	Pt max Pa	W	dB(A) 1,5 m	kg
AP1180	ASPIRSIMPLEX 10/4" S	82	20	15	41	0,60
AP1198	ASPIRSIMPLEX 10/4" T	82	20	15	41	0,60
AP1206	ASPIRSIMPLEX 10/4" PC	82	20	15	41	0,60

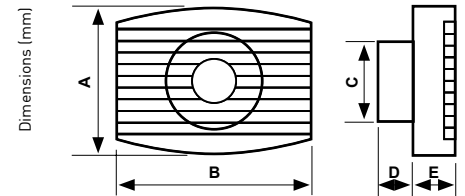
SPEED REGULATOR (only for the « S » standard models)

AP2568	ASPIRCONTROL RDV 1,5-MF
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- Direct expulsion to the outside
- Wall and ceiling mounting



A	B	C	D	E
141	166	Ø99	38	41



ASPIRMURO / ASPIRMUROMATIC series- Axial fans*



ASPIRMURO



ASPIRMURO MATIC
with automatic shutters

- Direct expulsion to the outside in a short duct
- Wall, ceiling and window mounting



CODE	MODEL	m ³ /h	m ³ /h WINDOW	Pt max Pa	W	dB(A) 1,5 m	kg	kg WINDOW
AP2584	ASPIRMURO 12/5" T	170	140	55	22	46	0,69	1
AP2626	ASPIRMURO 15/6" T	265	210	55	26	51	0,86	1,44
AP2428	ASPIRMURO 10/4" H	88	73	37	12	45	0,53	0,78
AP2592	ASPIRMURO 12/5" H	170	140	55	22	46	0,69	1
AP2634	ASPIRMURO 15/6" H	265	210	55	26	51	0,86	1,44
AP2402	ASPIRMURO 10/4" PC	88	73	37	12	45	0,53	0,78
AP2576	ASPIRMURO 12/5" PC	170	140	55	22	46	0,69	1
AP2618	ASPIRMURO 15/6" PC	265	210	55	26	51	0,86	1,44
AP0820	ASPIRMURO MATIC 15/6"	250	200	55	30	51	1,00	1,52
AP2816	ASPIRMURO MATIC 12/5" T	160	125	55	26	46	0,80	1,10
AP2915	ASPIRMURO MATIC 15/6" T	250	200	55	30	51	1,00	1,52
AP2824	ASPIRMURO MATIC 12/5" H	160	125	55	26	46	0,80	1,10
AP2485	ASPIRMURO MATIC 15/6" HPC	250	200	55	30	51	1,00	1,52

KIT FOR WINDOW APPLICATION

AP0919	ASPIRKIT VETRO G 10/4"
AP0851	ASPIRKIT VETRO F 10/4"
AP0869	ASPIRKIT VETRO F 12/5"
AP0877	ASPIRKIT VETRO F 15/6"

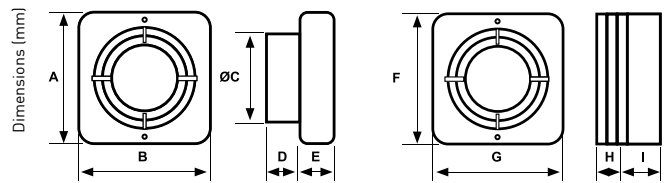
TIMER

AP0984	ASPIRTIMER
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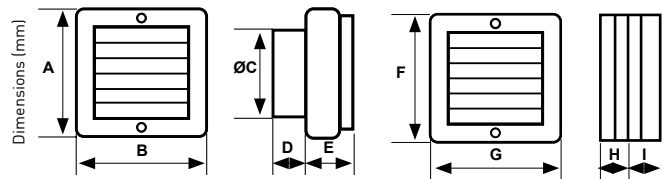
SPEED REGULATOR (only for the AP0745 - AP0760 models)

AP2568	ASPIRCONTROL RDV 1,5-MF
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*product running out of stock



MODEL	wall application					window application				
	A	B	ØC	D	E	F	G	H	I	hole
ASPIRMURO 10/4"	156	156	99	35	39	156	156	32	53	122÷130
ASPIRMURO 12/5"	180	180	119	35	43	180	180	32	57	142÷150
ASPIRMURO 15/6"	210	210	155	60	50	210	210	32	89	177÷185



MODEL	wall application					window application				
	A	B	ØC	D	E	F	G	H	I	hole
ASPIRMURO MATIC 10/4"	156	156	99	35	54	156	156	32	68	122÷130
ASPIRMURO MATIC 12/5"	180	180	119	35	58	180	180	32	72	142÷150
ASPIRMURO MATIC 15/6"	210	210	155	60	65	210	210	32	104	177÷185

VA series - Axial fans



- R - functions control
- Direct expulsion to the outside
- Reversible
- Window application and wall mounting



CODE	MODEL	m ³ /h inlet	m ³ /h ventilation	W	dB(A) 1,5 m	kg
AP1313	VA 23/9"	680	450	45	49	5,1
AP1339	VA 30/12"	1200	810	95	51	7,4
AP1321	VA 23/9" R	680	450	45	49	5,1
AP1347	VA 30/12" R	1200	810	95	51	7,4

TELESCOPIC KIT FOR WALL MOUNTING

for application on:

AP1172 WTK 30/12"

VA series - 30/12"

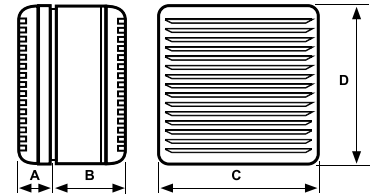
SPEED REGULATOR

for application on:

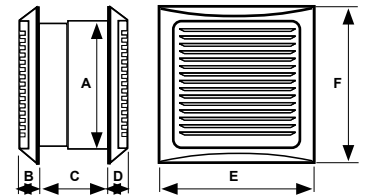
AP2566 ASPIRCONTROL RDV-VA-R

VA series

MODEL	mm				glass hole mm
	A	B	C	D	
VA 23/9" - VA 23/9" R	40	200	340	340	258÷260
VA 30/12" - VA 30/12" R	40	230	420	420	338÷340



MODEL	mm					
	A	B	C	D	E	F
WTK 30/12"	440x440	38	175÷345	38	500	500



CENTRIFUGAL FANS

AC 100 / AC 100 PLUS series - Centrifugal fans



- Expulsion through duct
- Wall and ceiling mounting
- PLUS - version with bearings



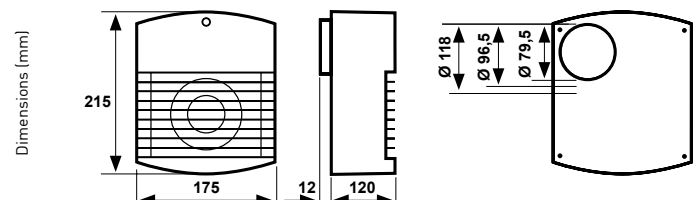
CODE	MODEL	m ³ /h	Pt max Pa	W	dB(A) 1,5 m	kg
AP1388	AC 100 S	90	118	30	43	1,55
AP1420	AC 100 PC	90	118	30	43	1,55
AP1396	AC 100 T	90	118	30	43	1,55
AP1412	AC 100 HTT	90	118	30	43	1,55
AP1453	AC 100 S PLUS	90	118	30	43	1,55
AP1461	AC 100 T PLUS	90	118	30	43	1,55
AP1487	AC 100 HTT PLUS	90	118	30	43	1,55
AP1438	AC 100 S 12V	90	118	30	43	1,55

FILTERS

AP2212 12 FILTERS AC100

SPEED REGULATOR (only for the « S » standard models)

AP2568 ASPIRCONTROL RDV 1,5-MF



CTF series - Centrifugal fans



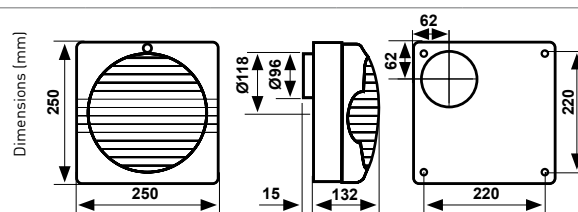
- Expulsion through duct
- Wall and ceiling mounting



CODE	MODEL	m ³ /h	Pt max Pa	W	dB(A) 1,5 m	kg
AP2006	CTF 100 S	110	147	18	48	2,08
AP2113	CTF 170 S	170	186	48	53	2,36
AP2162	CTF 250 S	240	235	70	57	2,52
AP2014	CTF 100 PC	110	147	18	48	2,08
AP2121	CTF 170 PC	170	186	48	53	2,36
AP2170	CTF 250 PC	240	235	70	57	2,52
AP2022	CTF 100 T	110	147	18	48	2,08
AP2139	CTF 170 T	170	186	48	53	2,36
AP2188	CTF 250 T	240	235	70	57	2,52
AP2105	CTF 100 HTT	110	147	18	48	2,08
AP2154	CTF 170 HTT	170	186	48	53	2,36
AP2204	CTF 250 HTT	240	235	70	57	2,52

FILTERS

AP2220 6 CTF FILTERS



ASPIRCEILING series - Centrifugal fans

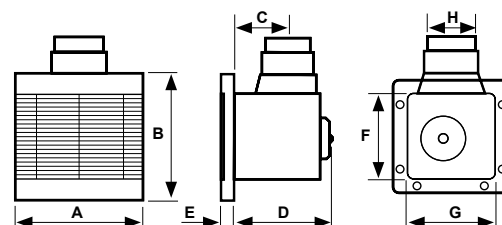


- Expulsion through duct
- False-ceiling mounting
- Discharge hole ø 100 mm



CODE	MODEL	m ³ /h	Pt max Pa	W	dB(A) 1,5 m	kg
AP1891	ASPIRCEILING 170	170	67	29	45	1,8

MODEL	mm							
	A	B	C	D	E	F	G	H
ASPIRCEILING 130	250	250	106	190	25	174	174	98
ASPIRCEILING 170	294	294	106	200	25	201	201	98



ASPIRBIG SUPER - Centrifugal fans



- Expulsion through duct
- Wall mounting
- Universal anchoring on discharge holes ø100 - ø120 - ø150 mm through a special mounting plate provided

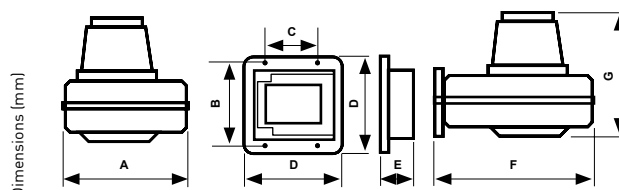


CODE	MODEL	m ³ /h	Pt max Pa	W	dB(A) 1,5 m	kg
AP1933	ASPIRBIG SUPER *	330	265	75	68	1,68

* available upon request

ACCESSORY FOR INLET PIPE APPLICATION

AP1958 ASPIRTUBIG



A	B	C	D	E	F	G
208	145	109	165	54	264	199

ASPIRKAPPA series - In-line centrifugal fans

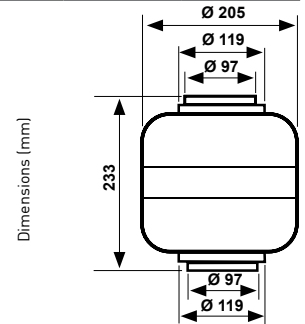


CODE	MODEL	m ³ /h	Pt max Pa	W	dB(A) 1,5 m	kg
AP2253	ASPIRKAPPA	150	113	40	46	1,28
AP2261	ASPIRKAPPA SUPER	190	172	45	52	1,45

SPEED REGULATOR (only for the « S » standard models)

AP2568	ASPIRCONTROL RDV 1,5-MF
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- Expulsion through duct
- Mounting between two pipes



ROOF CENTRIFUGAL FANS

ASPIRFIRE - Roof centrifugal fans



CODE	MODEL	m ³ /h	Pt max Pa	Rpm nom.	MOTOR			dB(A) 1,5 m	kg
					Kw	A	IP		
AP7900	ASPIRFIRE 200 N	1000	196	1400	0,09	0,5	44	50	18

SPEED REGULATOR

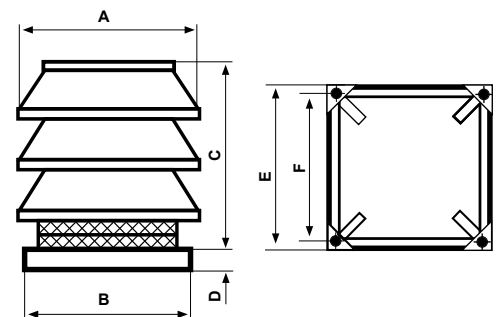
AP2600	RDV3-MF
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- For chimneys and industrial use
- Roof installation on top of domestic chimneys
- Mounting frame for chimney included
- Continuous operation with a maximum air temperature of 200°C



Dimensions (mm)

4,5 mm	B	C	D	E	F
385x385	350x350	440	30	340x340	300x300



ACCESSORIES

Kit for window application - ASPIRKIT VETRO N



CODE	MODEL	FOR APPLICATION ON
AP0900	ASPIRKIT VETRO N	ASPIRANTE - ASPIRVELO - ASPIRVELO AIR series



TIMER - ASPIRTIMER N

- From 45 seconds to 20 minutes, programmable via an internal trimmer.

CODE	MODEL	FOR APPLICATION ON
AP0904	ASPIRTIMER N	ASPIRANTE - ASPIRVELO - ASPIRVELO AIR series



ASPIRHYGRO TIMER - Timer with hygrosat

- From 45 sec to 20 minutes and from 40% RH to a max. value of 80% RH (programmable)

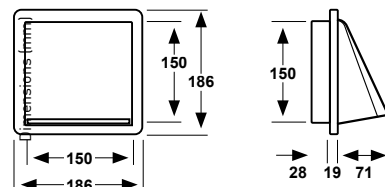
CODE	MODEL	FOR APPLICATION ON
AP0906	ASPIRHYGRO TIMER	ASPIRANTE - ASPIRVELO - ASPIRVELO AIR series



GE150 - Windproof and rainproof grille



CODE	MODEL	FOR APPLICATION ON
AP1613	GE150	All the models Ø150



SF - Protection grille



CODE	MODEL	FOR APPLICATION ON	Ø mm
AP0034	SF 10/4"	EV, EVM, FL 10/4" series	96
AP0042	SF 12/5"	EV, EVM, FL 12/5" series	118
AP0059	SF 15/6"	EV, EVM, FL 15/6" series	147

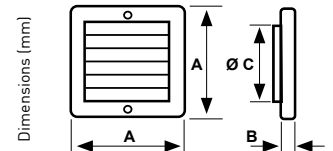


ASPIRZIP G - Gravity shutters



CODE	MODEL	FOR APPLICATION ON	A	B	ØC
AP1594	ASPIRZIP G10	All the models Ø100	156	18	95
AP1602	ASPIRZIP G12	All the models Ø120	180	18	118
AP1610	ASPIRZIP G15	All the models Ø150	210	18	150

- Rain breaker function that prevents the backflow of air when the fan is off

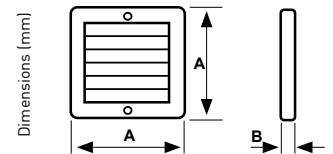


ASPIRZIP F - Fixed grille shutters



CODE	MODEL	FOR APPLICATION ON	A	B
AP0885	ASPIRZIP F10	All the models Ø100	156	18
AP0893	ASPIRZIP F12	All the models Ø120	180	18
AP0901	ASPIRZIP F15	All the models Ø150	210	18

- Rain breaker function that prevents the backflow of air when the fan is off



ASPIRSHUNT - Flow diverter



CODE	MODEL	FOR APPLICATION ON
AP0968	ASPIRSHUNT 10	All the models Ø100
AP0976	ASPIRSHUNT 12	All the models Ø120

- They allow the air flow direction in ducts to be directed as desired



RDV - Speed regulator



CODE	MODEL	FOR APPLICATION ON
AP2568	ASPIRCONTROL RDV 1,5-MF	All the 'S' models standard with a max. absorption of 1.5 A

- Speed regulator: 230V-50HZ - 1,5A max





WALL-MOUNTED
AXIAL FANS

PAGE 122



ROOF-MOUNTED
AXIAL FANS

PAGE 124



DUCTED CENTRIFUGAL
FANS

PAGE 125



ROOF-MOUNTED
CENTRIFUGAL FANS

PAGE 128



AIR CURTAINS

PAGE 129



ACCESSORIES

PAGE 130



For installation
in industrial environments



For installation
in commercial environments



For installation
in livestock environments



Power supply
230V-50Hz



Requires grounding



Compliant
ErP Directives

INDUSTRIAL FANS



WALL-MOUNTED AXIAL FANS

AVP series - Axial fans

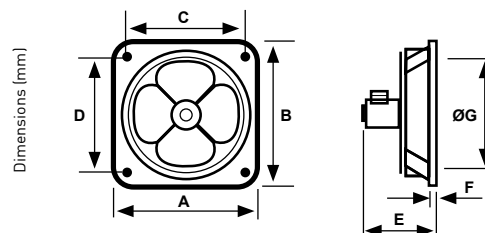


- Direct expulsion to the outside
- Supporting structure made of high-density structural plastic material
- Impeller with galvanized steel hub and aluminium blades, statically and dynamically balanced
- Compliant with Regulation (EU) 327/2011
- Continuous operation with air temperature from -20 to 40°C

CODE	MODEL	poles	m ³ /h	Pt max Pa	Nom. Rpm	MOTOR				dB(A) 1,5 m	kg	
						Kw	A	Cl. Is.	IP			
SINGLE-PHASE (MF) 230V - 50Hz												
AP4507	AVP MONO 250	4	900	27	1400	0,042	0,32	B	20	49	2,4	
AP4515	AVP MONO 300	4	1500	27	1400	0,082	0,56	B	20	54	2,9	
AP4523	AVP MONO 350	4	1950	23	1400	0,12	0,73	B	42	58	5,5	
AP4531	AVP MONO 400	4	2050	18	1400	0,134	0,75	B	42	60	5,9	
AP4556	AVP 350 MF	4	3100	85	1400	0,1	0,51	B	41	61	5,3	
AP4572	AVP 400 MF	4	3300	74	1400	0,135	0,65	B	41	63	5,8	
AP4598	AVP 450 MF	4	4150	83	1400	0,19	0,86	B	41	65	7	
THREE-PHASE (TF) 230V - 380V - 50Hz												
AP4549	AVP 350 TF	4	3100	85	1400	0,1	0,6	0,35	B	44	61	5,5
AP4564	AVP 400 TF	4	3300	74	1400	0,15	0,65	0,38	B	44	63	6,4
AP4580	AVP 450 TF	4	4150	83	1400	0,18	0,68	0,42	B	44	65	6,8
CGE GRAVITY SHUTTERS										see page 132		
RPE PROTECTIVE GRILLE										see page 132		
RDV SINGLE-PHASE SPEED REGULATOR										see page 132		



MODEL	A	B	C	D	E	F	ØG
AVP 250	345	345	285	285	160	15	262
AVP 300	395	395	335	335	185	15	308
AVP 350	445	445	385	385	255	15	359
AVP 400	495	495	435	435	255	15	409
AVP 450	545	545	485	485	240	15	460



AFM series - Axial fans



- Direct expulsion to the outside or short duct
- Supporting structure made of steel sheet and coated with epoxy powders
- Impeller made of metallic material with 6 blades and galvanized steel hub, statically and dynamically balanced
- Compliant with Regulation (EU) 327/2011
- Continuous operation with air temperature from -20 to 40°C



CODE	MODEL	poles	m³/h	Pt max Pa	Nom. Rpm	MOTOR				dB(A) 3mt	kg	
						Kw	A	CL ls.	IP			
SINGLE-PHASE (MF) 230V - 50Hz												
AP4300	AFM 250/2 MF	2	2150	148	2800	0,30	1,40	F	55	63,5	7,4	
AP4302	AFM 250/4 MF	4	1140	40	1400	0,18	0,80	F	55	50,5	7,4	
AP4304	AFM 300/2 MF	2	3480	261	2800	0,63	3,10	F	55	67,5	9,9	
AP4306	AFM 300/4 MF	4	2250	64	1400	0,18	0,80	F	55	57,5	8,1	
AP4308	AFM 350/4 MF	4	3200	79	1400	0,18	1,10	F	55	60,5	10,1	
AP4310	AFM 400/4 MF	4	4700	102	1400	0,42	2,10	F	55	64,5	11,8	
AP4314	AFM 450/4 MF	4	5840	136	1400	0,60	2,80	F	55	64,5	12,7	
AP4318	AFM 500/4 MF	4	7560	175	1400	0,84	3,90	F	55	66,5	19,5	
AP4320	AFM 560/4 MF	4	10530	225	1400	1,12	5,30	F	55	70,5	21,4	
THREE-PHASE (TF) 230V - 380V - 50Hz												
AP4330	AFM 250/2 TF	2	2150	148	2800	0,28	0,63	F	55	44	63,5	7,4
AP4332	AFM 250/4 TF	4	1140	40	1400	0,18	0,45	F	55	44	50,5	7,4
AP4334	AFM 300/2 TF	2	3480	261	2800	0,54	0,98	F	55	44	66,5	9,9
AP4336	AFM 300/4 TF	4	2250	64	1400	0,18	0,45	F	55	44	57,5	8,1
AP4338	AFM 350/4 TF	4	3200	79	1400	0,20	0,50	F	55	55	60,5	10,1
AP4340	AFM 400/4 TF	4	4700	102	1400	0,39	0,91	F	55	55	64,5	11,8
AP4342	AFM 400/6 TF	6	2800	39	700	0,26	0,63	F	55	55	54,5	11,1
AP4344	AFM 450/4 TF	4	5840	136	1400	0,54	1,10	F	55	55	64,5	12,7
AP4346	AFM 450/6 TF	6	4000	51	700	0,34	0,75	F	55	55	56,5	12,7
AP4348	AFM 500/4 TF	4	7560	175	1400	0,80	1,63	F	55	55	66,5	19,5
AP4350	AFM 500/6 TF	6	4630	69	700	0,34	0,75	F	55	55	56,5	15,6
AP4352	AFM 560/4 TF	4	10530	225	1400	0,94	2,00	F	55	55	70,5	21,4
AP4354	AFM 630/4 TF	4	13450	288	1400	1,34	2,70	F	55	55	73,5	26,7
AP4356	AFM 630/6 TF	6	9400	117	700	0,57	1,18	F	55	55	64,5	22,5
AP4358	AFM 710/6 TF	6	14700	107	700	0,98	2,18	F	55	55	67	15,7

CGE GRAVITY SHUTTERS

see page 132

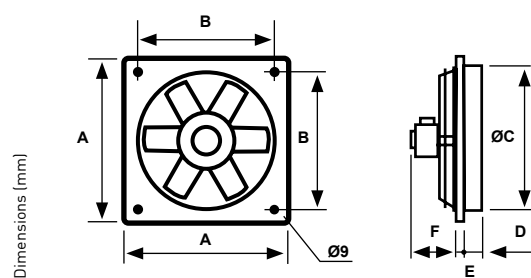
RPE PROTECTIVE GRILLE

see page 132

RDV SINGLE-PHASE SPEED REGULATOR

see page 132

MODEL	A	B	ØC	D	E	F
AFM 250	350	300	255	40	15	183
AFM 300	400	350	317	40	15	230
AFM 350	450	400	356	40	15	235
AFM 400	500	450	400	40	15	245
AFM 450	550	500	451	40	15	245
AFM 500	600	550	503	50	15	275
AFM 560	680	630	559	50	15	251
AFM 630	730	680	634	100	15	285
AFM 710	950	880	711	167	25	315



ROOF-MOUNTED AXIAL FANS

ATE series - Roof axial fans



- Direct inlet
- Structure made of galvanized steel sheet
- Impeller with aluminium hub and wing-profile blades made of PPG thermoplastic resin
- Protective cap made of impact-resistant thermoplastic PST material
- Compliant with Regulation (EU) 327/2011
- Continuous operation with air temperature from -25 to 50°C



CODE	MODEL		poles	m³/h	Pt max Pa	Nom. Rpm	MOTOR				dB(A) 1,5 m	kg	
							Kw	A	Cl. Is.	IP			
SINGLE-PHASE (MF) 230V - 50/60Hz													
AP11001	ATE 404 M	*	4	3600	69	1400	0,25	2,2	F	55	59	36	
AP11002	ATE 454 M	*	4	5000	83	1400	0,37	3,1	F	55	61	44	
THREE-PHASE (TF) 230V - 400V - 50/60Hz													
AP11010	ATE 404 T	*	4	3600	69	1400	0,25	1,4	0,81	F	55	59	36
AP11011	ATE 454 T	*	4	5000	83	1400	0,37	1,9	1,1	F	55	61	44
AP11012	ATE 504 T	*	4	6000	108	1400	0,55	2,6	1,5	F	55	64	55
AP11013	ATE 564 T	*	4	9600	118	1400	1,10	4,8	2,8	F	55	68	65
AP11014	ATE 634 T	*	4	14000	147	1400	1,50	6,2	3,6	F	55	70	80
AP11015	ATE 406 T	*	6	2500	20	950	0,12	1,2	0,7	F	55	50	32
AP11016	ATE 456 T	*	6	3200	29	950	0,18	1,2	0,71	F	55	52	42
AP11017	ATE 506 T	*	6	4000	39	950	0,25	1,56	0,9	F	55	54	53
AP11018	ATE 566 T	*	6	5100	54	950	0,37	2,0	1,15	F	55	60	62
AP11019	ATE 636 T	*	6	7100	59	950	0,55	2,8	1,6	F	55	62	75
AP11020	ATE 716 T	*	6	10500	69	950	0,75	3,8	2,2	F	55	63	90
AP11021	ATE 806 T	*	6	18000	103	950	1,50	6,6	3,8	F	55	69	105
AP11022	ATE 906 T	*	6	22000	132	950	2,20	9,4	5,4	F	55	71	150
AP11023	ATE 1006 T	*	6	34000	167	950	4,00	15,6	9	F	55	74	170
AP11024	ATE 568 T	*	8	4000	37	700	0,18	1,5	0,86	F	55	54	61
AP11025	ATE 638 T	*	8	6000	48	700	0,25	1,9	1,1	F	55	56	73
AP11026	ATE 718 T	*	8	8200	59	700	0,37	2,4	1,4	F	55	59	88
AP11027	ATE 808 T	*	8	13000	74	700	0,55	3,6	2	F	55	62	97
AP11028	ATE 908 T	*	8	19000	103	700	1,10	5,5	3,2	F	55	66	135
AP11029	ATE 1008 T	*	8	26000	108	700	1,50	6,9	4	F	55	68	140

* available upon request

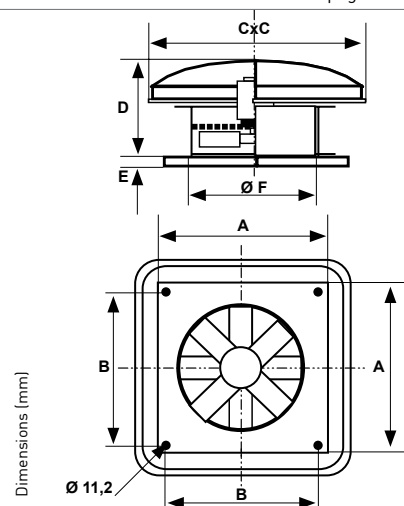
SAG GRAVITY SHUTTER

see page 134

RDV 3 - 5 - 10 SINGLE-PHASE SPEED REGULATOR

see page 132

MODEL	A	B	C x C	D	E	ØF
ATE 400	650	550	750	500	40	410
ATE 450	700	600	750	520	40	468
ATE 500	750	650	750	540	40	515
ATE 560	850	750	1000	650	45	564
ATE 630	900	800	1000	700	45	640
ATE 710	1000	900	1000	700	45	715
ATE 800	1100	1000	1400	720	45	810
ATE 900	1250	1150	1400	740	45	912
ATE 1000	1400	1300	1400	760	45	1013



DUCTED CENTRIFUGAL FANS

AKL series - Inline centrifugal fans



- Structure made of steel sheet coated with epoxy powders
- Continuous operation with air temperature between -25 to 70°C
- Compliant with Regulation (EU) 1253/2014
- For expulsion and intake into duct



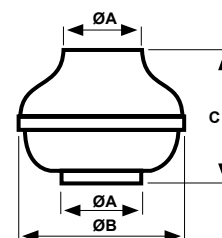
CODE	MODEL	poles	m ³ /h	Pt max Pa	°C max	MOTOR				dB(A) 1,5 m	kg
						W	A	Cl. Is.	IP		
AP8482	AKL 100 L	2	250	235	60	28	0,2	F	X4	48	2,8
AP8490	AKL 125 L	2	300	240	60	28	0,2	F	X4	46	2,7
AP8508	AKL 160	2	460	360	70	49	0,3	F	X4	51	3,2
AP8512	AKL 160 L	2	670	600	60	104	0,9	F	X4	62	3
AP8516	AKL 200	2	810	460	70	100	0,5	F	X4	59	4,2
AP8524	AKL 250	2	890	480	60	100	0,5	F	X4	62	4,3
AP8532	AKL 315*	2	1460	610	70	208	1,7	F	X3	79	6,5
AP8534	AKL 315 L*	2	1990	760	65	270	1,9	F	X3	80	6

AKL MOUNTING BRACKET	see page 133
SGA GRAVITY SHUTTER	see page 132
GDP PROTECTIVE GRILLE	see page 133
CFS BAND PIPE CLAMP	see page 133
RDV1,5-MF AND RDV3-MF SINGLE-PHASE SPEED REGULATOR	see page 132
ELECTRIC RESISTANCE	see page 135

* models not compatible with RDV1,5-MF ET RDV3-MF speed regulators

MODEL	ØA	B	C
AKL 100L	99	245	209
AKL 125L	124	245	193
AKL 160	159	270	205
AKL 160L	160	344	229
AKL 200	199	344	227
AKL 250	249	344	244
AKL 315	314	402	253
AKL 315L	314	402	233

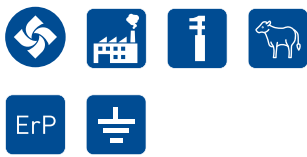
Dimensions (mm)



ACT series- Radial centrifugal fans

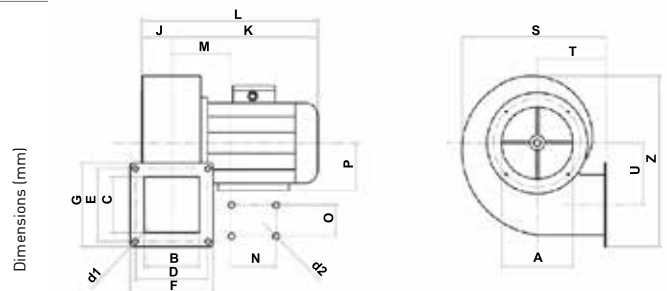


- For expulsion into duct
- Structure made of steel sheet coated with epoxy powders
- Centrifugal impeller with single intake, forward-curved blades, directly coupled to the motor



CODE	MODEL	Poles	m ³ /h	Pt max Pa	Curve ref.	Nom. Rpm	MOTOR				dB(A) 1,5 m	kg
							Kw	A	Cl. Is.	IP		
SINGLE-PHASE (MF) 230 V - 50 Hz												
AP4900	ACT 12/2 MF	2	610	392	1	2800	0,18	0,55	F	55	62,3	5,5
AP4902	ACT 12/4 MF	4	310	98	2	1400	0,12	0,45	F	55	46,6	5,5
AP4904	ACT 15/2 MF	2	950	589	3	2800	0,25	0,70	F	55	64,0	5,5
AP4906	ACT 15/4 MF	4	470	147	4	1400	0,12	0,45	F	55	49,7	5,5
AP4908	ACT 17/2 MF	2	1500	697	6	2800	0,37	0,95	F	55	68,1	9,2
AP4910	ACT 17/4 MF	4	750	157	7	1400	0,12	0,45	F	55	52,1	7,6
AP4912	ACT 20/2 MF	2	1600	1010	8	2800	0,55	1,35	F	55	72,4	10,0
AP4914	ACT 20/4 MF	4	800	255	9	1400	0,18	0,60	F	55	57,3	8,0
AP4916	ACT 25/2 MF	2	3300	1373	10	2800	1,10	2,55	F	55	74,1	16,0
AP4918	ACT 25/4 MF	4	1600	334	11	1400	0,25	0,75	F	55	58,8	12,0
THREE-PHASE (TF) 230 V - 400 V - 50 Hz												
AP4920	ACT 8/2 TF	2	250	255	1	2800	0,09	0,35	F	55	48,9	2,5
AP4922	ACT 10/2 TF	2	480	324	2	2800	0,09	0,35	F	55	59,3	3,0
AP4930	ACT 12/2 TF	2	610	392	3	2800	0,18	0,55	F	55	62,3	5,5
AP4932	ACT 12/4 TF	4	310	98	4	1400	0,12	0,45	F	55	46,6	5,5
AP4934	ACT 15/2 TF	2	950	589	5	2800	0,25	0,70	F	55	64,0	5,5
AP4936	ACT 15/4 TF	4	470	147	6	1400	0,12	0,45	F	55	49,7	5,5
AP4938	ACT 17/2 TF	2	1500	697	7	2800	0,37	0,95	F	55	68,1	9,2
AP4940	ACT 17/4 TF	4	750	157	8	1400	0,12	0,45	F	55	52,1	7,6
AP4942	ACT 20/2 TF	2	1600	1010	9	2800	0,55	1,35	F	55	72,4	10,0
AP4944	ACT 20/4 TF	4	800	255	10	1400	0,18	0,55	F	55	57,3	8,0
AP4946	ACT 25/2 TF	2	3300	1373	11	2800	1,10	2,55	F	55	74,1	16,0
AP4948	ACT 25/4 TF	4	1600	334	12	1400	0,25	0,45	F	55	58,8	12,0
AP4950	ACT 25/6 TF	6	1050	137	13	900	0,09	0,63	F	55	49,2	11,0
AP4952	ACT 25/8 TF	8	800	78	14	690	0,09	0,55	F	55	42,8	11,0

BSM MOTOR SUPPORT SADDLE	see page 133
RNF NON-FLANGED INLET CONNECTOR	see page 133
RF FLANGED INLET CONNECTOR	see page 133
RQT SQUARE-TO-ROUND EXPULSION CONNECTOR	see page 134
RDV SINGLE-PHASE SPEED REGULATORS	see page 132

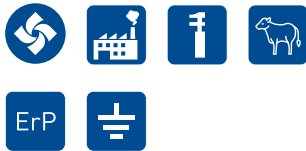


MODEL	A	B	C	D	E	F	G	J	K	L	M	N	O	P	S	T	U	Z
ACT 12/2 MF	130	85	85	110	110	128	126	46	238	285	85	80	100	63	220	102	96	260
ACT 12/4 MF	130	85	85	110	110	128	126	46	238	285	85	80	100	63	220	102	96	260
ACT 15/2 MF	130	105	85	135	110	150	130	57	248	305	97	80	100	63	220	102	96	260
ACT 15/4 MF	130	105	85	135	110	150	130	57	248	305	97	80	100	63	220	102	96	260
ACT 17/2 MF	155	110	110	135	135	150	150	59	257	316	102	90	112	71	270	122	115	320
ACT 17/4 MF	155	110	110	135	135	150	150	59	251	310	97	80	100	63	270	122	115	320
ACT 20/2 MF	175	110	110	135	135	150	150	59	257	316	102	90	112	71	270	122	115	320
ACT 20/4 MF	175	110	110	135	135	150	150	59	251	310	97	80	100	63	270	122	115	320
ACT 25/2 MF	205	137	137	170	170	190	190	73	303	377	122	100	125	80	335	148	145	400
ACT 25/4 MF	205	137	137	170	170	190	190	73	286	359	117	90	112	71	335	148	145	400
ACT 8/2 TF	100	70	60	85	75	110	98	39	178	217	-	-	-	-	170	82	64	185
ACT 10/2 TF	130	85	85	110	110	128	128	45	183	228	-	-	-	-	220	102	96	260
ACT 12/2 TF	130	85	85	110	110	128	126	46	238	285	85	80	100	63	220	102	96	260
ACT 12/4 TF	130	85	85	110	110	128	126	46	238	285	85	80	100	63	220	102	96	260
ACT 15/2 TF	130	105	85	135	110	150	130	57	248	305	97	80	100	63	220	102	96	260
ACT 15/4 TF	130	105	85	135	110	150	130	57	248	305	97	80	100	63	220	102	96	260
ACT 17/2 TF	155	110	110	135	135	150	150	59	257	316	102	90	112	71	270	122	115	320
ACT 17/4 TF	155	110	110	135	135	150	150	59	251	310	97	80	100	63	270	122	115	320
ACT 20/2 TF	175	110	110	135	135	150	150	59	257	316	102	90	112	71	270	122	115	320
ACT 20/4 TF	175	110	110	135	135	150	150	59	251	310	97	80	100	63	270	122	115	320
ACT 25/2 TF	205	137	137	170	170	190	190	73	303	377	122	100	125	80	335	148	145	400
ACT 25/4 TF	205	137	137	170	170	190	190	73	286	359	117	90	112	71	335	148	145	400
ACT 25/6 TF	205	137	137	170	170	190	190	73	265	338	112	80	100	63	335	148	145	400
ACT 25/8 TF	205	137	137	170	170	190	190	73	286	359	117	90	112	71	335	148	145	400

AQ and AQL series - Cabinet centrifugal fans



- Inline mounting
- Expulsion into duct
- Double intake centrifugal fans
- Forward-curved impellers directly coupled to the motor
- Frame made of pressed steel sheet (AQ) or extruded aluminium (AQL)
- Compliant with Regulation (EU) 1253/2014
- Continuous operation with air temperature from -20 to 40°C

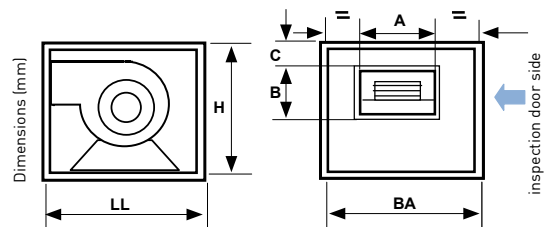


CODE	MODEL	MOTOR									
		poles	m³/h	Pt max Pa	Nom. Rpm	Kw	A	Cl. Is.	IP	dB(A) 1,5 m	kg
SINGLE-PHASE (M) 230V - 50Hz											
AP13003	AQ 9/7 M4	4	3200	510	1400	0,373	3,8	F	44	53,2	11,3
AP13004	AQ 9/9 M4	4	4000	481	1400	0,55	4,4	F	20	56,5	13,7
AP13006	AQ 10/10 M4	4	3800	677	1400	0,55	4,5	F	44	60,5	15,3
AP13012	AQ 12/9 M6	6	5500	353	950	0,73	7,59	F	20	60,8	25,8
AP13013	AQ 12/12 M6	6	6000	304	950	0,73	4	F	20	61,1	36,2
THREE-PHASE (T) 400V - 50Hz											
AP13015	AQ 12/9 T6	6	7100	363	950	1,1	4	F	20	63,3	24,5
AP13016	AQ 12/12 T6	6	7600	353	950	1,1	9,4/5,4	F	20	64,7	24,5
SINGLE-PHASE (M) 230V - 50Hz											
AP13023	AQL 9/7 M4	4	3200	510	1400	0,373	3,8	F	44	53,2	11,3
AP13024	AQL 9/9 M4	4	4000	481	1400	0,55	4,4	F	20	56,5	13,7
AP13025	AQL-DP 9/9 M4	4	4000	481	1400	0,55	4,4	F	20	56,5	15
AP13027	AQL 10/10 M4	4	3800	677	1400	0,55	4,5	F	44	60,5	15,3
AP13028	AQL-DP 10/10 M4	4	3800	677	1400	0,55	4,5	F	44	60,5	17
AP13037	AQL 12/9 M6	6	5500	353	950	0,73	7,59	F	20	60,8	25,8
AP13038	AQL 12/12 M6	6	6000	304	950	1,1	8,35	F	20	61,1	36,2
AP13039	AQL-DP 12/12 M6	6	6000	304	950	1,1	8,35	F	20	61,1	38
THREE-PHASE (T) 400V - 50Hz											
AP13045	AQL 12/9 T6	6	7100	363	950	1,1	4	F	20	63,3	24,5
AP13046	AQL 12/12 T6	6	7600	353	950	1,1	9,4/5,4	F	20	64,7	24,5
AP13047	AQL-DP 12/12 T6	6	7600	353	950	1,1	9,4/5,4	F	20	64,7	26,2

RDV 5 - 10 SPEED REGULATOR (for SINGLE-PHASE)

see page 132

MODEL	A	B	C	BA	LL	H
AQ AQL 9/7	232	262	50	500	500	550
AQ AQL 9/9	300	262	150	600	600	600
AQ AQL 10/8	265	289	90	600	600	600
AQ AQL 10/10	331	289	90	600	600	600
AQ AQL 12/9	311	342	160	750	750	750
AQ AQL 12/12	395	342	160	750	750	750



SUPPLIED AS STANDARD IN SX-BS VERSION

ROOF-MOUNTED CENTRIFUGAL FANS

ATR series- Roof centrifugal fans



- Direct or ducted intake
- Structure made of steel sheet coated with epoxy powders
- Centrifugal impeller with backward-curved blades made of galvanized steel, statically and dynamically balanced
- Protective cap made of plastic material
- Compliant with Regulation (EU) 1253/2014
- Continuous operation with maximum intake air temperature of 60°C

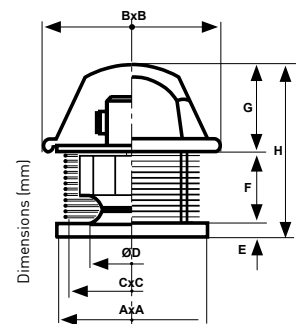


CODE	MODEL	poles	m³/h	Pt max Pa	Nom. Rpm	MOTOR				dB(A) 1,5 m	kg	
						Kw	A	Cl. Is.	IP			
SINGLE-PHASE (M) 230V - 50Hz												
AP5017	ATR 104 M	4	1150	196	1400	0,12	1,2	F	55	57	15	
AP5025	ATR 204 M	4	1750	255	1400	0,18	1,45	F	55	63	17	
AP5801	ATR 304 M	4	2550	324	1400	0,25	3,4	F	55	66	26	
AP5819	ATR 404 M	4	3600	402	1400	0,37	3,6	F	55	67	30	
AP5827	ATR 504 M	4	5200	510	1400	0,75	5,15	F	55	72	43	
THREE-PHASE (T) 230V - 400V - 50Hz												
AP5843	ATR 104 T	4	1150	196	1400	0,12	0,8	0,45	F	55	57	14
AP5868	ATR 204 T	4	1750	255	1400	0,18	1,1	0,65	F	55	63	16
AP6015	ATR 304 T	4	2550	324	1400	0,252	2,1	1,2	F	55	66	25
AP6031	ATR 404 T	4	3600	402	1400	0,37	2,7	1,6	F	55	67	28
AP6056	ATR 504 T	4	5200	510	1400	0,75	3,5	2	F	55	72	42
AP6072	ATR 604 T	4	7200	628	1400	1,5	4,5	3,43	F	55	75	51
AP5850	ATR 106 T *	6	750	74	950	0,09	1,3	0,75	F	55	47	15
AP5900	ATR 206 T *	6	1100	93	950	0,09	1,3	0,75	F	55	54	16
AP6023	ATR 306 T *	6	1600	123	950	0,18	1,3	0,75	F	55	56	23
AP6049	ATR 406 T *	6	2350	162	950	0,18	2,4	1,4	F	55	57	27
AP6064	ATR 506 T *	6	3350	206	950	0,37	2,4	1,4	F	55	62	40
AP6080	ATR 606 T *	6	4600	255	950	0,37	2,4	1,4	F	55	64	45
AP6098	ATR 706 T *	6	6700	343	950	0,75	3,6	2,1	F	55	68	74
AP6114	ATR 806 T *	6	9500	432	950	1,1	5,2	3	F	55	72	78
AP6130	ATR 906 T *	6	13600	549	950	2,2	6,7	3,9	F	55	77	98
THREE-PHASE TWO SPEEDS (DT) 400V - 50Hz												
AP6155	ATR 104-6 DT *	4-6	1150/750	196/74	1400/950	0,22/0,14	0,68/0,43	F	55	57/47	16	
AP6171	ATR 304-6 DT *	4-6	2550/1600	324/123	1400/950	0,36/0,22	0,98/0,77	F	55	66/56	26	
AP6189	ATR 404-6 DT *	4-6	3600/2350	402/162	1400/950	0,51/0,29	1,3/1,1	F	55	67/57	29	
AP7021	ATR 504-6 DT *	4-6	5200/3350	510/206	1400/950	0,66/0,36	1,8/1,2	F	55	72/62	47	

* available upon request

CBT BASE FRAME	see page 134
SGT GRAVITY SHUTTER	see page 134
RDV 3 - 5 SPEED REGULATOR	see page 132

MODEL	AxA	BxB	CxC	E	F	G	H	Ø Min. duct diameter
ATR 100	400	490	350	40	190	240	470	200
ATR 200	400	490	350	40	190	240	470	250
ATR 300	560	640	460	40	240	270	550	300
ATR 400	560	640	460	40	240	270	550	350
ATR 500	710	790	610	40	280	320	640	400
ATR 600	710	790	610	40	280	320	640	450
ATR 700	900	990	800	40	375	420	835	500
ATR 800	900	990	800	45	375	420	835	500
ATR 900	900	990	800	45	375	420	835	600



ATS series - Roof centrifugal fans

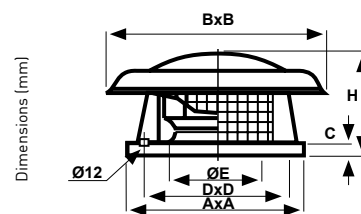


- Compact roof fans
- Direct or ducted intake
- External structure made of high-density structural plastic material
- Motor unit with backward-curved impeller integrated with the stator
- Compliant with Regulation (EU) 327/2011
- Continuous operation with maximum ambient temperature of 40°C



CODE	MODEL	poles	m³/h	Pt max Pa	Nom. Rpm	MOTOR				dB(A) 1,5 m	kg
						Kw	A	Cl. Is.	IP		
SINGLE-PHASE (MF) 230 V - 50 Hz											
AP7591	ATS 5 MF	2	500	324	2800	0,08	0,36	B	44	63	5,2
AP7617	ATS 10 MF	4	1000	162	1400	0,09	0,4	B	44	58	12,4
AP7633	ATS 18 MF	4	1750	235	1400	0,15	0,65	B	44	65	13,6
THREE-PHASE (TF) 230 V - 400 V - 50 Hz											
AP7609	ATS 10 TF	4-6	1000/720	157/128	1400/950	0,065	0,25	B	41	58/51	12,2
CBT BASE FRAME										see page 134	
SGT GRAVITY SHUTTER										see page 134	
RDV 3 - 5 SPEED REGULATOR										see page 132	

MODEL	AxA	BxB	C	DxD	ØE	H
ATS 5	340	410	35	295	160	190
ATS 10	465	610	50	420	220	310



AIR CURTAINS

Air curtains



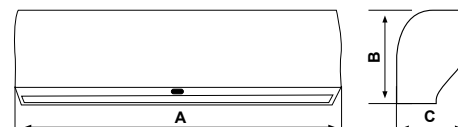
- Made with a white painted steel sheet casing
- Infrared remote control, 2 speeds
- Available in neutral version with room air recirculation
- XBA-R models equipped with electric resistance for heating recirculated air during winter periods
- 1Ph - 230V - 50Hz and 3Ph - 380V - 50Hz

CODE	AIRFLOW m³/h	AIR SPEED m/s	EL. RESIST. POWER Kw	POWER CONSUMPTION W	POWER SUPPLY Ph - V - Hz	dB(A)	kg
XBA90	1200	11	--	150	1Ph - ~230 V - 50 Hz	58	13
XBA120	1700	11	--	180	1Ph - ~230 V - 50 Hz	59	17
XBA150	2100	11	--	220	1Ph - ~230 V - 50 Hz	59	21

MODELS WITH ELECTRIC RESISTANCE

XBA90R	1000	11	3,5	120	1Ph - ~230 V - 50 Hz	45	14
XBA120R	1500	11	4,5	180	3Ph - ~380 V - 50 Hz	47	17
XBA150R	1800	11	5,5	220	3Ph - ~380 V - 50 Hz	47	23
XBA200R	2400	11	10,0	320	3Ph - ~380 V - 50 Hz	54	29

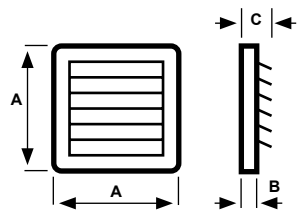
Dimensions (mm)	A	B	C
	XBA90	900	215
XBA120	1200	215	195
XBA150	1500	215	195
XBA90R	900	228	195
XBA120R	1200	228	195
XBA150R	1500	228	195
XBA200R	2000	228	195



ACCESSORIES

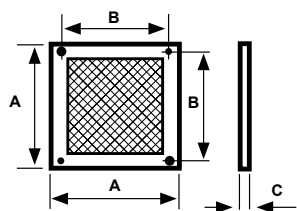


CGE gravity shutters



CODE	MODEL	FOR THE MODELS	mm			
			A	MUR	B	C
AP4705	CGE 250	AVP 250 - AFM 250	345	230x230	45	90
AP4713	CGE 300	AVP 300 - AFM 300	395	280x280	45	90
AP4721	CGE 350	AVP 350 - AFM 350	445	330x330	45	90
AP4739	CGE 400	AVP 400 - AFM 400	495	380x380	45	90
AP4747	CGE 450	AVP 450 - AFM 450	545	430x430	45	90
AP4754	CGE 500	AVP 500 - AFM 500	595	480x480	45	90
AP4762	CGE 600	AVP 600 - AFM 560	695	580x580	45	90
AP4671	CGE 500/AFM	AFM 500	600	550x550	15	60
AP4689	CGE 600/AFM	AFM 630	730	680x680	15	60

RPE protective grille



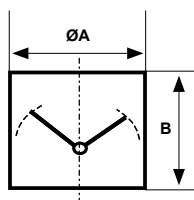
CODE	MODEL	FOR THE MODELS	mm		
			A	B	C
AP4770	RPE 250	AVP 250 - AFM 250	345	285	5
AP4788	RPE 300	AVP 300 - AFM 300	395	335	5
AP4796	RPE 350	AVP 350 - AFM 350	445	385	5
AP4804	RPE 400	AVP 400 - AFM 400	495	435	5
AP4812	RPE 450	AVP 450 - AFM 450	545	485	5
AP4820	RPE 500	AVP 500 - AFM 500	595	535	5
AP4838	RPE 600	AVP 600 - AFM 560	695	635	5

RDV speed regulator



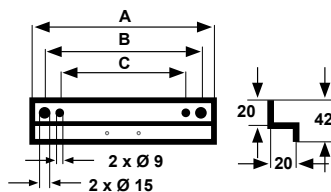
CODE	MODEL	FOR THE MODELS
AP2568	RDV1,5-MF	Max. current absorption 1,5 A SINGLE-PHASE
AP2600	RDV3-MF	Max. current absorption 3 A SINGLE-PHASE
AP2642	RDV5-MF	Max. current absorption 5 A SINGLE-PHASE
AP2646	RDV10D-MF	Max. current absorption 10 A SINGLE-PHASE

SGA gravity shutter



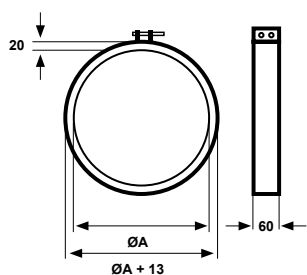
CODE	MODEL	FOR THE MODELS	mm		kg
			ØA	B	
AP7252	SGA 100	AKL 100L	100	88	0,2
AP7260	SGA 125	AKL 125L	125	88	0,2
AP7286	SGA 160	AKL 160 - AKL 160L	160	88	0,3
AP7294	SGA 200	AKL 200L	200	88	0,6
AP7302	SGA 250	AKL 250L	250	128	0,7
AP7310	SGA 315	AKL 315 - AKL 315L	315	128	0,9

AKL mounting bracket



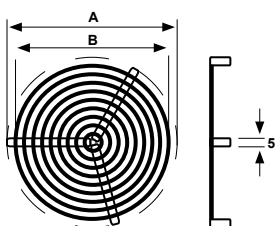
CODE	MODEL	FOR THE MODELS	mm			kg
			A	B	C	
AP8540	TIER AKL100/125/160	AKL 100L - AKL 125L - AKL 160 - AKL 160L	245	205	165	0,3
AP8581	TIER AKL200/250/315	AKL 200L - AKL 250L - AKL 315 - AKL 315L	340	300	260	0,4

CFS band pipe clamp



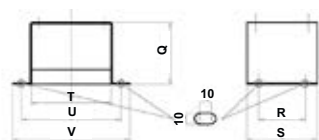
CODE	MODEL	FOR THE MODELS	mm		kg
			ØA		
AP7369	CFS 100	AKL 100L	100		0,2
AP7377	CFS 125	AKL 125L	125		0,2
AP7393	CFS 160	AKL 160 - AKL 160L	160		0,2
AP7401	CFS 200	AKL 200L	200		0,3
AP7419	CFS 250	AKL 250L	250		0,3
AP7427	CFS 315	AKL 315 - AKL 315L	315		0,5

GDP protective grille



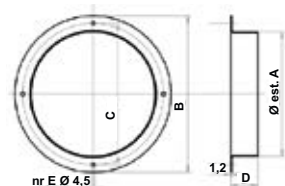
CODE	MODEL	FOR THE MODELS	mm		kg
			ØA	B	
AP7700	GDP 100	AKL 100L	100	90	0,1
AP7702	GDP 125	AKL 125L	125	110	0,1
AP7716	GDP 160	AKL 160 - AKL 160L	160	150	0,2
AP7187	GDP 200	AKL 200L	200	190	0,2
AP7704	GDP 250	AKL 250L	250	250	0,3
AP7708	GDP 315	AKL 315 - AKL 315L	315	315	0,5

BSM motor support saddle



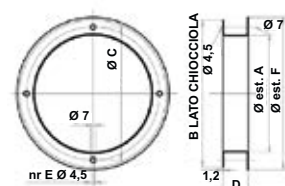
CODE	MODEL	FOR THE MODELS	mm					
			Q	R	S	T	U	V
AP4975	BSM 12-15	ACT 12/2 MF, ACT 12/4 MF, ACT 15/2 MF, ACT 15/4 MF, ACT 12/2 TF, ACT 12/4 TF, ACT 15/2 TF, ACT 15/4 TF	105	80	120	140	170	200
AP4976	BSM 17-20	ACT 17/2 MF, ACT 17/4 MF, ACT 20/2 MF, ACT 20/4 MF, ACT 17/2 TF, ACT 17/4 TF, ACT 20/2 TF, ACT 20/4 TF	135	90	130	160	190	220
AP4977	BSM 25	ACT 25/2 MF, ACT 25/4 MF, ACT 25/2 TF, ACT 25/4 TF, ACT 25/6 TF, ACT 25/8 TF	175	90	130	165	195	225

RNF non-flanged inlet connector



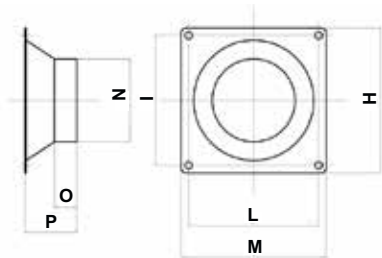
CODE	MODEL	FOR THE MODELS	mm					
			A	B	C	D	E	F
AP4978	RNF 8	ACT 8/2 TF	98	128	118	37,5	3	142
AP4979	RNF 10-12-15	ACT 10/2 TF, ACT 12/2 MF, ACT 12/4 MF, ACT 15/2 MF, ACT 15/4 MF, ACT 12/2 TF, ACT 12/4 TF, ACT 15/2 TF, ACT 15/4 TF	128	159	150	34,5	4	177
AP4980	RNF 17	ACT 17/2 MF, ACT 17/4 MF, ACT 17/2 TF, ACT 17/4 TF	158	195	176	34	4	202
AP4981	RNF 20	ACT 20/2 MF, ACT 20/4 MF, ACT 20/2 TF, ACT 20/4 TF	178	205	195	36	4	215
AP4982	RNF 25	ACT 25/2 MF, ACT 25/4 MF, ACT 25/2 TF, ACT 25/4 TF, ACT 25/6 TF, ACT 25/8 TF	198	244	225	30	4	242

RF flanged inlet connector



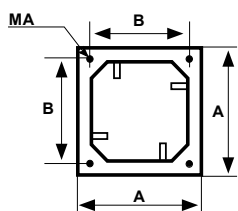
CODE	MODEL	FOR THE MODELS	mm					
			A	B	C	D	E	F
AP4983	RF 8	ACT 8/2 TF	98	128	118	37,5	3	142
AP4984	RF 10-12-15	ACT 10/2 TF, ACT 12/2 MF, ACT 12/4 MF, ACT 15/2 MF, ACT 15/4 MF, ACT 12/2 TF, ACT 12/4 TF, ACT 15/2 TF, ACT 15/4 TF	128	159	150	34,5	4	177
AP4985	RF 17	ACT 17/2 MF, ACT 17/4 MF, ACT 17/2 TF, ACT 17/4 TF	158	195	176	34	4	202
AP4986	RF 20	ACT 20/2 MF, ACT 20/4 MF, ACT 20/2 TF, ACT 20/4 TF	178	205	195	36	4	215
AP4987	RF 25	ACT 25/2 MF, ACT 25/4 MF, ACT 25/2 TF, ACT 25/4 TF, ACT 25/6 TF, ACT 25/8 TF	198	244	225	30	4	242

RQT Square-to-round expansion connector



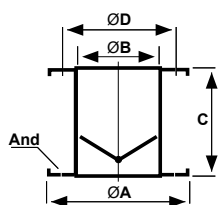
CODE	MODEL	FOR THE MODELS	mm						
			H	I	L	M	N	O	P
AP4970	RQT 8	ACT 8/2 TF	100	85	95	110	61	10	45
AP4971	RQT 10-12	ACT 12/2 MF, ACT 12/4 MF, ACT 10/2 TF, ACT 12/2 TF, ACT 12/4 TF	128	110	110	128	78	15	57
AP4972	RQT 15	ACT 15/2 MF, ACT 15/4 MF, ACT 15/2 TF, ACT 15/4 TF,	130	115	135	150	98	15	57
AP4973	RQT 17-20	ACT 17/2 MF, ACT 17/4 MF, ACT 17/2 TF, ACT 17/4 TF, ACT 20/2 MF, ACT 20/4 MF, ACT 20/2 TF, ACT 20/4 TF	150	135	135	150	118	15	61
AP4974	RQT 25	ACT 25/2 MF, ACT 25/4 MF, ACT 25/2 TF, ACT 25/4 TF, ACT 25/6 TF, ACT 25/8 TF	190	170	170	190	148	20	78

CBT base frame



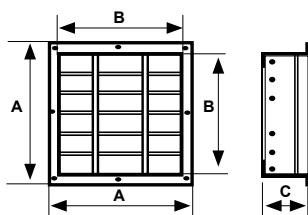
CODE	MODEL	FOR THE MODELS	mm		MA
			AxA	BxB	
AP7672	CBT ATR 1.2	ATR 100 et 200	390	350	10
AP7680	CBT ATR 3.4	ATR 300 et 400	540	460	10
AP7688	CBT ATR 5.6	ATR 500 et 600	690	610	10
AP7694	CBT ATR 7.8.9	ATR 700, 800 et 900	890	800	10
AP7757	CBT 10/18	ATS 10 et 18	440	415	8
AP7765	CBT 35/50	ATS 35 et 50	590	535	8

SGT gravity shutter



CODE	MODEL	FOR THE MODELS	mm				
			ØA	ØB	C	ØD	E
AP2311	SGT 20	ATR 100 et 200, ATS 10 et 18	309	251	210	283	3xM8
AP2337	SGT 40	ATR 300 et 400, ATS 35 et 50	409	352	230	381	4xM8
AP2352	SGT 60	ATR 500 et 600	510	451	300	485	5xM8
AP2378	SGT 80	ATR 700, 800 et 900	620	552	320	585	6xM8

SAG gravity shutter



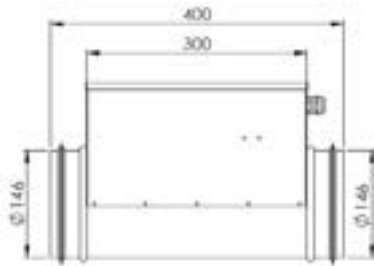
CODE	MODEL	FOR THE MODELS	mm			kg
			A	B	C	
AP19250	SAG 400 *	ATE 400	505	445	190	6,5
AP19251	SAG 450 *	ATE 450	555	495	190	7,6
AP19252	SAG 500 *	ATE 500	605	545	190	8,7
AP19253	SAG 560 *	ATE 560	665	605	190	10,5
AP19254	SAG 630 *	ATE 630	795	735	190	12
AP19255	SAG 710 *	ATE 710	815	755	190	14,5
AP19256	SAG 800 *	ATE 800	905	845	190	16
AP19257	SAG 900 *	ATE 900	1005	945	190	18
AP19258	SAG 1000 *	ATE 1000	1145	1085	240	20

* available upon request

Pre-heating and post-heating electric resistances



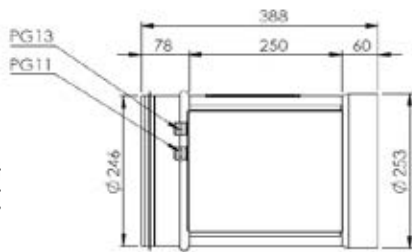
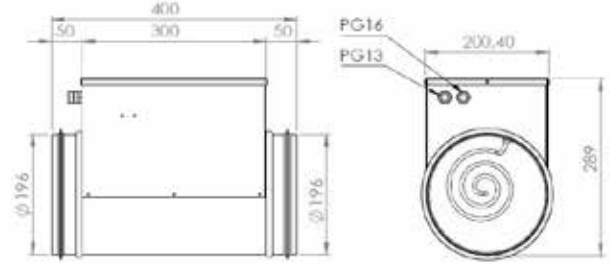
CODE	MODEL	V~	Hz	IP	Thermal efficiency (W)	Ø conn.
AP19431	BE 150-2	230	50	40	2000	150 mm
AP19432	BE 200-3	230	50	40	3000	200 mm
AP19433	BE 250-4	230	50	40	4000	250 mm
AP19435	BE 315-4	230	50	40	5000	315 mm
AP19437	BE 355-6	230	50	40	6000	355 mm



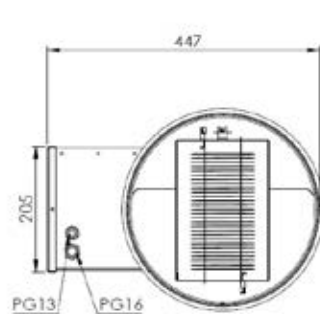
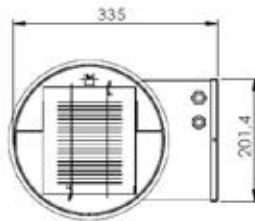
AP19431



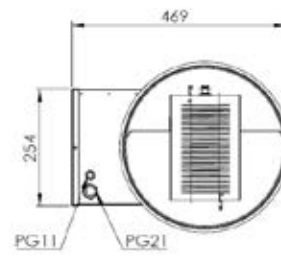
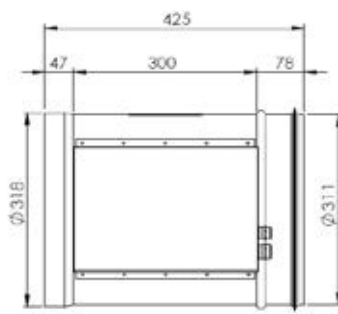
AP19432



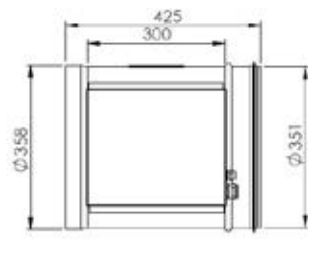
AP19433



AP19435



AP19437





FAN HEATERS

PAGE 136



INFRARED ELECTRIC HEATERS

PAGE 137



ELECTRIC HAND DRYERS

PAGE 139



HAIR DRYERS

PAGE 140

230V

Power supply
230V-50Hz

IPX1

Protection rating
IPX1

CL.I

Insulation class 1



Double insulation



T - Model with programmable
off-timer

220V
240V

Power supply
220-240V-50Hz

IP20

Protection rating
IP20

IP24

Protection rating
IP24

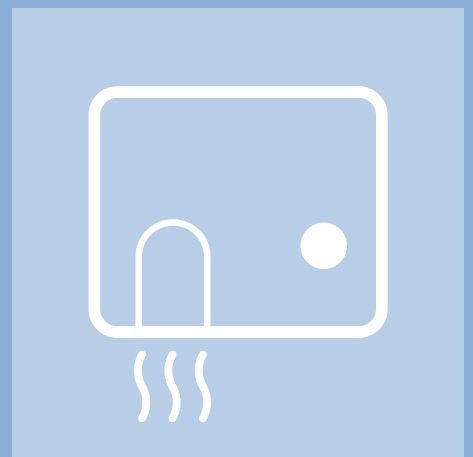
IPX5

Protection rating
IPX5



ASPIRA brand
product

FAN HEATERS ELECTRIC HEATERS AND HYGIENE



FAN HEATERS

TEPORELLA - Fan heater



CODE	MODEL	W	kg
AP6538	TEPORELLA	1800/2000	1,1

- Impact-resistant and heat-resistant plastic material
- Helical impeller with 3 blades made of stamped and painted aluminium
- Auto-shutoff function in case of tipping/falling
- 160 cm power cable with Schuko plug



CODE	MODEL	mm		
		depth	width	height
AP6538	TEPORELLA	115	220	245

TEPORSPLIT - Wall-mounted fan heater



CODE	MODEL	W	kg
AP6582	TEPORSPLIT	2000	3,4

- For indoor use
- Wall-mounting
- Ceramic heater
- 2 selectable power settings: 1,000 and 2,000W
- Equipped with IR remote control
- 150 cm cable with Schuko plug



CODE	MODEL	mm		
		depth	width	height
AP6582	TEPORSPLIT	134	610	205

CH 7000 series - Fan heater



CODE	MODEL	DESCRIPTION	W max	kg
AP6576	CH 7000 TURBO	fan heater	2000	3,2
AP6578	CH 7000 TURBO TIMER	fan heater with timer	2000	3,2

- Floor and wall mounting
- Safety thermal device
- 3 selectable power settings: 750W - 1250W - 2000W
- 150 cm cable with Schuko plug



CODE	MODEL	mm		
		depth	width	height
AP6576	CH 7000 TURBO	105	580	377
AP6578	CH 7000 TURBO TIMER	105	580	377

INFRARED ELECTRIC HEATERS

KALOREASY - Infrared electric heaters



- Adjustable
- For indoor or protected outdoor use
- Auto-shutoff function in case of tipping/falling
- Wall-mounting or with stand
- 2 selectable power settings: 1000W - 2000W
- 200 cm power cable with Schuko plug

CODE	MODEL	W
AP6457	KALOREASY	1000-2000

TELESCOPIC STAND WITH BASE

CODE	MODEL	W
AP6458	KALORASTA EASY	

SPARE RADIATION BULB

CODE	MODEL	W
AP6473	LAMP 1000	1000



CODE	MODEL	mm		
		depth	width	height
AP6457	KALOREASY	160	500	200
AP6458	KALORASTA EASY			1500-1900



KALORDOMUS - Infrared electric heater



- Adjustable
- For indoor/outdoor use
- Wall-mounting
- Protective grille
- 3-meter power cable without plug

CODE	MODEL	V~	Hz	W	IP	CONNECTION	LENGTH mm	kg
AP6460	KALORDOMUS	220-240	50	1300	X5	-		0,95

POWER REGULATOR

CODE	MODEL	V~	Hz	W	IP	CONNECTION	LENGTH mm	kg
AP6470	RDP 3000	220-240	50	from 0 to 3 000	-	-		0,41

SPARE RADIATION BULB

CODE	MODEL	V~	Hz	W	IP	CONNECTION	LENGTH mm	kg
AP6471	LAMP 1300 IP20 254 mm	220-240	50	1300	20	R7S	254	-
AP6475	LAMP 1300 IPX5 275 mm	220-240	50	1300	X5	R7S	275	-



CODE	MODEL	mm		
		depth	width	height
AP6460	KALORDOMUS	120	410	140
AP6470	RDP 3000	60	60	135

KALORTOP - Infrared electric heater



- Adjustable
- For outdoor use
- Wall-mounting and/or under umbrellas
- 150 cm power cable without plug



CODE	MODEL	V~	Hz	W	IP	kg
AP6461	KALORTOP	220-240	50	1500	IPX5	2
POWER REGULATOR						
AP6470	RDP 3000	220-240	50	de 0 à 3 000	-	0,41
SPARE RADIATION BULB						
AP6472	LAMP 1500	220-240	50	1500	X5	-



CODE	MODEL	mm		
		depth	width	height
AP6461	KALORTOP	90	460	110
AP6470	RDP 3000	60	60	135

ELECTRIC HAND DRYERS

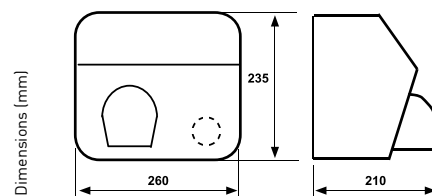
KALIMAX series - Electric hand dryers



CODE	MODEL	COLOUR	W	m/sec	m ³ /h	°C	dB(A)	kg
AP9308	KALIMAX 25A-VB	☐ WHITE	2300	30	210	62	76*	4,6
AP9324	KALIMAX 25A-SO	■ SILVER	2300	30	210	62	76*	4,6
AP9316	KALIMAX 25P-VB	☐ WHITE	2300	30	210	62	76*	4,6
AP9332	KALIMAX 25P-SO	■ SILVER	2300	30	210	62	76*	4,6

- Operation via photocell or button
- Satin steel cover (-SO), white enamel cover (-VB)
- Cover closure with screws
- 80 cm power cable with Schuko plug

* Data measured at one meter

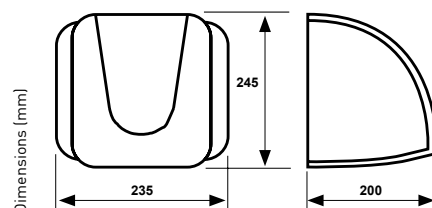


KALIECO - Electric hand dryers



CODE	MODEL	W	m/sec	m ³ /h	°C	dB(A)	kg
AP9291	KALIECO 30A	2100	30	170	>44	62*	3,1

* Data measured at one meter



- Operation via photocell
- Heat-resistant and impact-resistant ABS cover
- 80 cm power cable with Schuko plug



SUPERKALI series - Automatic air blade hand dryers

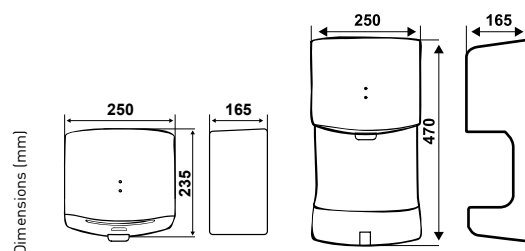


CODE	MODEL	COLOUR	W		m/sec	°C	dB(A)	kg
			(ta 25 °C)	(ta 25 °C)				
AP9360	SUPERKALI A-VB	☐ WHITE	1400 ÷ 1650	550	110	20 ÷ 40 °C	69,5*	3,9
AP9362	SUPERKALI A-VS	■ SILVER	1400 ÷ 1650	550	110	20 ÷ 40 °C	69,5*	3,9
AP9364	SUPERKALI DRY A-VB	☐ WHITE	1400 ÷ 1650	550	110	20 ÷ 40 °C	69,5*	4,6
AP9366	SUPERKALI DRY A-VS	■ SILVER	1400 ÷ 1650	550	110	20 ÷ 40 °C	69,5*	4,6

* Data measured at one meter



SUPERKALI series



- SUPERKALI DRY series
- High-speed air blade flow
 - Fast drying in just 12 seconds, ensuring over 75% energy savings
 - Operation via photocell
 - Auto-stop after 40 seconds
 - Drip tray code: AP9364 and AP9366
 - 120 cm power cable with Schuko plug



HAIR DRYERS

KALIPHONE - Hair dryer



CODE	MODEL	W	dB(A)	m/sec
AP9284	KALIPHONE	800	67*	10

* Data measured at one meter

MODEL	mm			kg
	depth	width	height	
KALIPHONE	110	175	260 / 560 hose included	1,4

- Wall-mounting
- Heat-resistant and impact-resistant ABS
- 230V and 115V power outputs with ON-OFF switch
- Adjustable airflow and temperature on 2 settings
- Extendable hose with lance handle
- 80 cm power cable with Schuko plug



KALISPEED - Hair dryer



CODE	MODEL	W	m/sec	dB(A)	kg
AP9287	KALISPEED	1200	15	69*	0,70

* Data measured at one meter

MODEL	BASE mm			HAIR DRYER mm		
	depth	width	height	depth	width	height
KALISPEED	102	87	98	65	148	220

- Wall-mounting
- Heat-resistant and impact-resistant ABS
- Automatic ON/OFF via release button on the handle
- Adjustable airflow and temperature on 2 settings via selector on the handle
- Protection system with auto-shutoff in case of overheating
- 90 cm power cable with Schuko plug





INDUSTRY AND PLANT APPLICATIONS

LEVEL CONTROLS

ELECTRONIC LEVEL CONTROLS ■ ELECTROMECHANICAL LEVEL CONTROLS



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PRESSURE SWITCHES AND PRESSURE CONTROLS

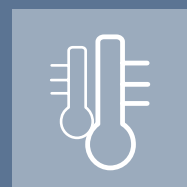
PRESSURE SWITCHES, VACUUM SWITCHES AND HYDROSTATS ■ DIRECT CONNECTION PRESSURE GAUGES
■ CAPILLARY PRESSURE GAUGES ■ ACCESSORIES



PAGE 151

THERMOSTATS AND HYGROSTATS

ENCASED THERMOSTAT ■ REAR PANEL THERMOSTATS ■ ELECTRONIC THERMOSTATS, THERMOMETERS
AND HYGROSTATS ■ CAPILLARY THERMOMETERS ■ BIMETALLIC THERMOMETERS ■ GLASS
THERMOMETERS ■ CAPILLARY THERMOMANOMETERS ■ ACCESSORIES



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FLOW SWITCHES

LIQUID FLOW SWITCHES ■ AIR FLOW SWITCHES



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SOLENOID VALVES

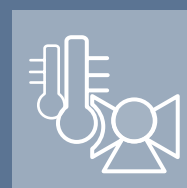
DIRECT-ACTING SOLENOID VALVES ■ INDIRECT SERVO-ASSISTED SOLENOID VALVES
■ SOLENOID VALVE COILS



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THERMOREGULATION AND GAS SAFETY

INSTRUMENT MANIFOLD ■ SOLAR THERMAL CONTROL UNITS ■ CONTROL UNITS FOR UNDERFLOOR HEATING AND
COOLING SYSTEMS ■ CONTROL UNITS FOR BOILERS ■ ELECTRIC SERVOCONTROLS ■ MIXING AND MOTORIZED
VALVES ■ REMOTE CONTROL ■ TEMPERATURE SENSORS AND PROBES ■ INDUSTRIAL GAS LEAK DETECTORS



PAGE 194

HEATING CABLES

CONSTANT POWER HEATING CABLES ■ CONSTANT POWER HEATING CABLES WITH THERMOSTAT AND PLUG
■ SELF-REGULATING HEATING CABLES ■ ACCESSORIES



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ELECTRONIC LEVEL CONTROLS

PAGE 146

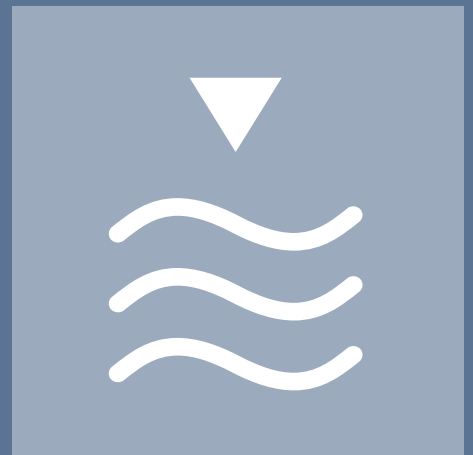


ELECTROMECHANICAL LEVEL CONTROLS

PAGE 146

- 230V** Power supply 230 Vac
- 24V** Power supply 24 Vac
- IP20** Protection rating IP20
- IP54** Protection rating IP54
- IP40** Protection rating IP40
- IP68** Protection rating IP68

LEVEL CONTROLS



ELECTRONIC LEVEL CONTROLS

Electronic level controls with probes for conductive liquids



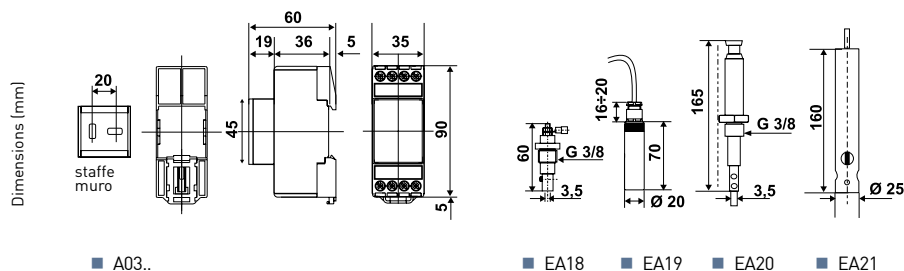
- Adjustable detection range kΩ
- Adjustable level switch
- Models A03.. with automatic reset
- Models A04.. with extra-minimum and manual reset

CODE	POWER SUPPLY	RESET	CONTACT RATING	OPERATING TEMPERATURE	PROTECTION RATING
A03F	24 Vac	automatic	5A - AC12	-10 ÷ 50 °C	IP20
A03M	230 Vac	automatic	5A - AC12	-10 ÷ 50 °C	IP20
A04F	24 Vac	manual	5A - AC12	-10 ÷ 50 °C	IP20
A04M	230 Vac	manual	5A - AC12	-10 ÷ 50 °C	IP20
UA03Y	waterproof enclosure for A03-A04, IP44				

CODE	DESCRIPTION	MAXIMUM TEMPERATURE	WEIGHT
EA18	electrode holder probe in AISI 303 stainless steel, 10 bar (without electrode)	160 °C	48 gr
EA19	ballasted probe in PVC with electrode (cable not included)	80 °C	75 gr
EA20	electrode holder probe in AISI 303 stainless steel, 35 bar	250 °C	88 gr
EA21	ballasted probe in PVC with electrode	50 °C	350 gr
2013347	stainless steel electrode, length 1m		
2013348	stainless steel electrode, length 2m		

24V 230V IP20

S80 acoustic and visual signaling device See page 209



■ A03..

■ EA18 ■ EA19 ■ EA20 ■ EA21

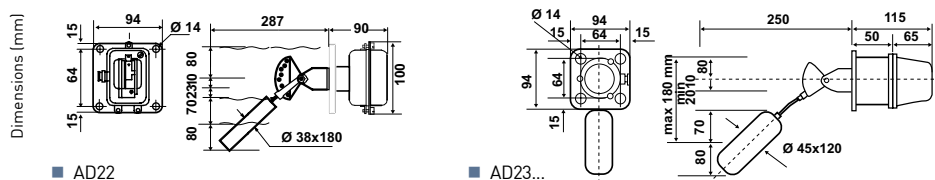
ELECTROMECHANICAL LEVEL CONTROLS

Magnetic level controls for pressure circuits



CODE	LEVEL JUMP mm	MAXIMUM OPERATING PRESSURE	MATERIAL IN CONTACT WITH THE FLUID	CONTACT RATING	FLANGE CONNECTION
AD22	25 ÷ 175	6 bar	steel	10(3)A 250Vac	PN6
AD23	20 ÷ 180	6 bar	steel	10(3)A 250Vac	PN6
AD23A	20 ÷ 180	6 bar	stainless steel with teflon coating	10(15)A 250Vac	PN6

- Operation based on repulsion of two opposing permanent magnets
- Maximum fluid temperature: 150°C



■ AD22

■ AD23..

IP54

Magnetic level controls for pressure circuits

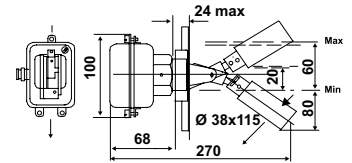


CODE	FLOAT TYPE	LEVEL JUMP mm	MAXIMUM OPERATING PRESSURE	MAXIMUM FLUID TEMPERATURE	CONTACT RATING	CONNECTION
AD52W	stainless steel	20 ÷ 60	10 bar	100 °C	10(3)A 250Vac	G 1 1/4
AD52P	plastic	20 ÷ 55	10 bar	100 °C •	10(3)A 250Vac	G 1 1/4
EAD01	float in stainless steel, Ø 38 x 115 mm					

- Operation based on repulsion of two opposing permanent magnets
- For water control, maximum recommended temperature: 85°C

Dimensions (mm)

	FLOAT
AD52	Ø 38 x 115
AD52P	Ø 38 x 70



IP54

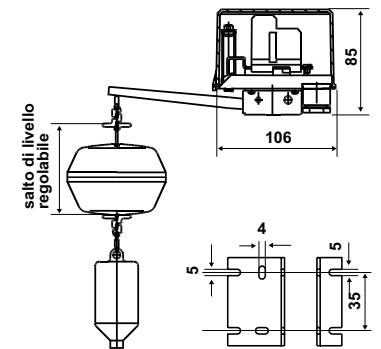
Electromechanical float level control for three-phase motors



CODE	ADJUSTABLE LEVEL JUMP	NYLON CABLE LENGTH	MAXIMUM FLUID TEMPERATURE	CONTACT RATING
A70	50 ÷ 750 mm	1	50 °C	415Vac 20(9)A

- For emptying and filling. The indicated level jump (50 ÷ 750) is achieved using the standard cable (1m)
- With cables of different lengths, level jumps of several meters can also be obtained

Dimensions (mm)



IP40

Submerged electromechanical level controls for clear and waste water



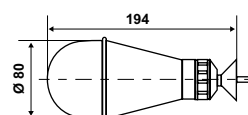
CODE	CABLE TYPE	CABLE LENGTH	CONTACT RATING	MAXIMUM IMMERSION PRESSURE	MAXIMUM FLUID TEMPERATURE
A94C	PVC	5 m	10A 250Vac	10 bar	60 °C
A94D	PVC	15 m	10A 250Vac	10 bar	60 °C
A95A	PVC	3 m	10(4)A 250Vac	10 bar	60 °C
A95AS1	PVC	5 m	10(4)A 250Vac	10 bar	60 °C
A95B	PVC	10 m	10(4)A 250Vac	10 bar	60 °C
A95BS1	PVC	15 m	10(4)A 250Vac	10 bar	60 °C
A95AS2 *	neoprene	3 m	10(4)A 250Vac	10 bar	45 °C
A95AS3 *	neoprene	5 m	10(4)A 250Vac	10 bar	45 °C
A95BS4 *	neoprene	10 m	10(4)A 250Vac	10 bar	45 °C
A95BS5 *	neoprene	15 m	10(4)A 250Vac	10 bar	45 °C
A95BS6 *	neoprene	20 m	10(4)A 250Vac	10 bar	45 °C
A95BS7 *	neoprene	25 m	10(4)A 250Vac	10 bar	45 °C

- A94 suitable for wastewater
- External body in Moplen

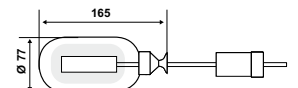
IP68

* available upon request

Dimensions (mm)



■ A94...



■ A95...

Submerged electromechanical level controls for diesel

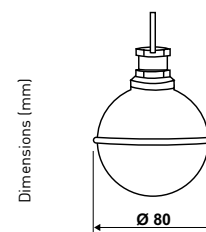


- Float in AISI 304 stainless steel

IP68

CODE	CABLE TYPE	CABLE LENGTH	CONTACT RATING	MAXIMUM IMMERSION PRESSURE	MAXIMUM FLUID TEMPERATURE
A96C	polyurethane	5 m	5A 250 Vac	4 bar	60 °C
A96D	polyurethane	15 m	5A 250 Vac	4 bar	60 °C
A96E *	silicone	5 m	5A 250 Vac	4 bar	130 °C

* available upon request



Level controls for granules

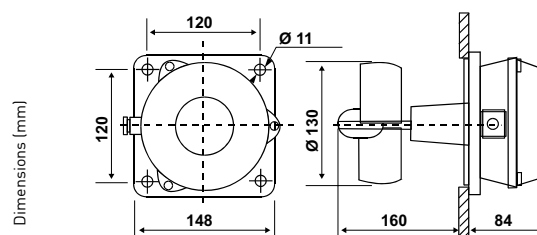


- For the control of material with weight of approximately 0.7 kg/dm³.

230V

IP54

CODE	TYPE	LEVEL JUMP	OPERATING TEMPERATURE	CONTACT RATING
ASE	blades	50 mm fixed	-20 ÷ 80 °C	10(4)A 250Vac



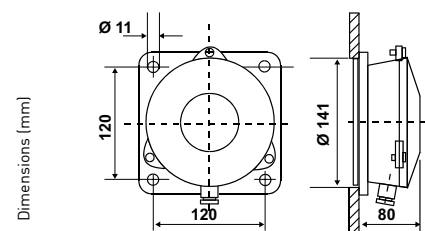
Level control for powders and granules

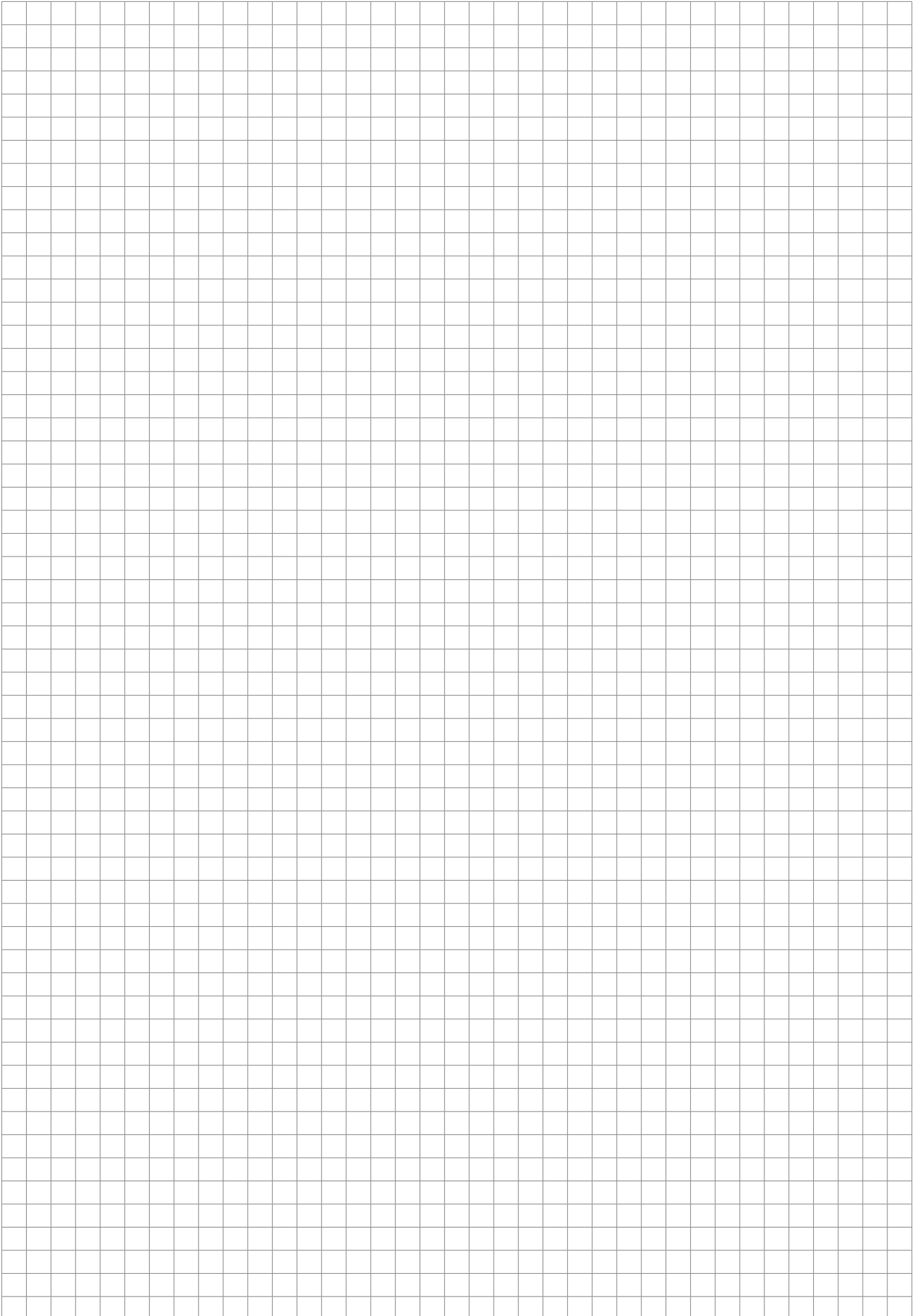


- For the control of material with a weight of approximately 0.7 kg/dm³.
- 2 microswitches for adjustment and alarm

IP54

CODE	LEVEL JUMP mm	LEVEL JUMP ADJUSTMENT AND DEVIATION	OPERATING TEMPERATURE	CONTACT RATING
ASM2	50 ÷ 100 mm operation and stop 30 ÷ 50 mm release and start	20 ÷ 50 MM	-20 ÷ 70 °C	10(3)A 250Vac







PRESSURE SWITCHES, VACUUM SWITCHES AND HYDROSTATS

PAGE 152



DIRECT CONNECTION PRESSURE GAUGES

PAGE 156



CAPILLARY PRESSURE GAUGES

PAGE 159



ACCESSORIES

PAGE 160



External adjustment



Internal adjustment



Manual reset



Automatic reset



Protection rating IP44



Protection rating IP20



Protection rating IP65



Protection rating IP40



TG brand products

PRESSURE SWITCHES AND PRESSURE CONTROLS



PRESSURE SWITCHES, VACUUM SWITCHES AND HYDROSTATS

Pressure switches for adjustment up to 15 bar, fixed differential



CODE	TYPE OF ADJUSTMENT	RESET	RANGE	DIFFERENTIAL	SENSING ELEMENT MAX. PRESSURE	CONNECTION
B01A	external	automatic	0,7 ÷ 3 bar	0,4 bar	6 bar	female
B01B	external	automatic	2 ÷ 5,5 bar	0,6 bar	7 bar	female
B01C	external	automatic	3 ÷ 7 bar	0,6 bar	9 bar	female
B01D	external	automatic	4 ÷ 15 bar	1 bar	18 bar	female
B01A4 *	external	automatic	0,7 ÷ 3 bar	0,4 bar	6 bar	male
B01B4 *	external	automatic	2 ÷ 5,5 bar	0,6 bar	7 bar	male
B01C4 *	external	automatic	3 ÷ 7 bar	0,6 bar	9 bar	male
B01D4 *	external	automatic	4 ÷ 15 bar	1 bar	18 bar	male
B01AM	internal	manual	0,7 ÷ 3 bar	0,4 bar	6 bar	female
B01BM	internal	manual	2 ÷ 5,5 bar	0,6 bar	7 bar	female
B01CM	internal	manual	3 ÷ 7 bar	0,6 bar	9 bar	female
B01DM	internal	manual	4 ÷ 15 bar	1 bar	18 bar	female
B01AM4 *	internal	manual	0,7 ÷ 3 bar	0,4 bar	6 bar	male
B01BM4 *	internal	manual	2 ÷ 5,5 bar	0,6 bar	7 bar	male
B01CM4 *	internal	manual	3 ÷ 7 bar	0,6 bar	9 bar	male
B01ARI *	internal	automatic	0,7 ÷ 3 bar	0,4 bar	6 bar	female
B01BRI *	internal	automatic	2 ÷ 5,5 bar	0,6 bar	7 bar	female
B01CRI *	internal	automatic	3 ÷ 7 bar	0,6 bar	9 bar	female
B01DRI *	internal	automatic	4 ÷ 15 bar	1 bar	18 bar	female
B01A4RI *	internal	automatic	0,7 ÷ 3 bar	0,4 bar	6 bar	male
B01B4RI *	internal	automatic	2 ÷ 5,5 bar	0,6 bar	7 bar	male
B01C4RI *	internal	automatic	3 ÷ 7 bar	0,6 bar	9 bar	male
B01D4RI *	internal	automatic	4 ÷ 15 bar	1 bar	18 bar	male

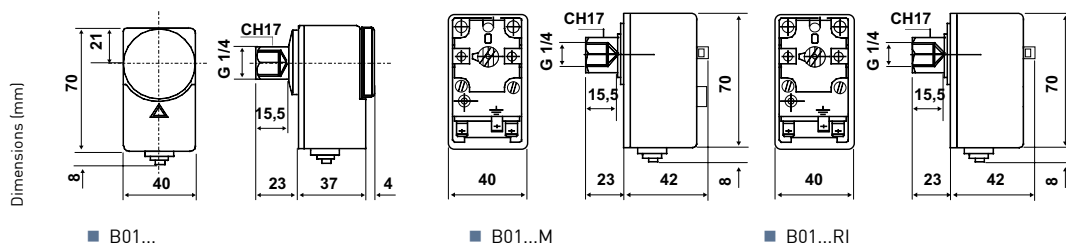
* available upon request

- The differential must be subtracted from the range value.
- Fluid-contacting parts in stainless steel, laser welded.
Contact rating: 250V AC 10(2.5)A



CE 0497

DM 174/2004



Minimum pressure switch with manual reset

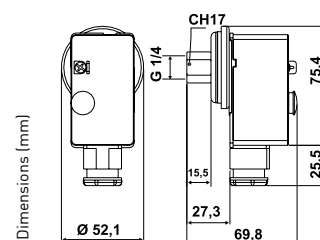


CODE	RANGE	DIFFERENTIAL	FACTORY CALIBRATION	SENSING ELEMENT MAX. PRESSURE	CONNECTION
B01FML	0,5 ÷ 2,5 bar	>0,5 bar	0,5 bar	6 bar	female

- Suitable for heating systems
- Sensing element with stainless steel diaphragm, laser welded
- Maximum fluid temperature: 120°C



CE 0497 DM 174/2004

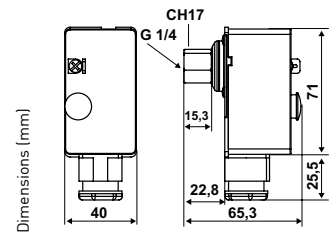


Maximum pressure switch with manual reset, IP44



CODE	RANGE	MINIMUM DIFFERENTIAL FOR RESET	SENSING ELEMENT MAX. PRESSURE	CONNECTION	CONTACT TYPE
B01BMX	2 ÷ 5,5 bar	0,6 bar	7 bar	G 1/4	NC

- For heating systems
- Sensing element with stainless steel diaphragm, laser welded
- Maximum controlled fluid temperature: 120°C



DM 174/2004

Pressure switches, vacuum switches and hydrostats up to 10 bar



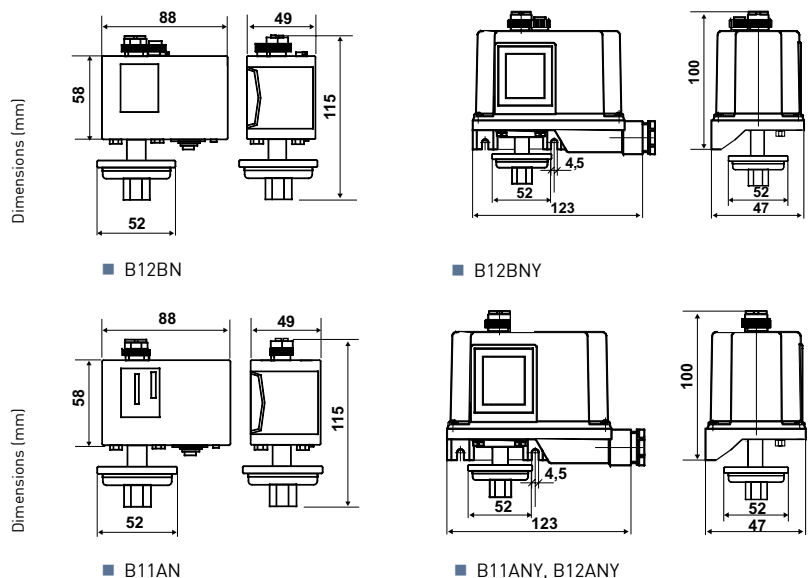
CODE	RANGE bar	DIFFERENTIAL	SENSING ELEMENT MAX. PRESSURE	CONNECTION	PROTECTION RATING
B11AN	0,15 ÷ 1	0,1 bar fixed	20 bar	female	IP40
B11ANY	0,15 ÷ 1	0,1 bar fixed	20 bar	female	IP65
B11AN4Y *	0,15 ÷ 1	0,1 bar fixed	20 bar	male	IP65
B12AN	-0,82 ÷ 0	0,1 bar fixed	2,5 bar	female	IP40
B12AN4 *	-0,82 ÷ 0	0,1 bar fixed	2,5 bar	male	IP40
B12BN	0,2 ÷ 2	0,1 ÷ 0,5 bar	4 bar	female	IP40
B12ANY	-0,82 ÷ 0	0,1 bar fixed	2,5 bar	female	IP65
B12BNY	0,2 ÷ 2	0,1 ÷ 0,5 bar	4 bar	female	IP65

* available upon request

- The differential must be subtracted from the range value.
- Fluid-contacting parts in stainless steel, laser welded.
- Contact rating: 250V AC 16(6)A



DM 174/2004



Adjustable pressure switches up to 28 bar



- The differential must be subtracted from the range value
- External adjustment
- Fluid-contacting parts in stainless steel, laser welded
- Contact rating: 250V AC 16(6)A

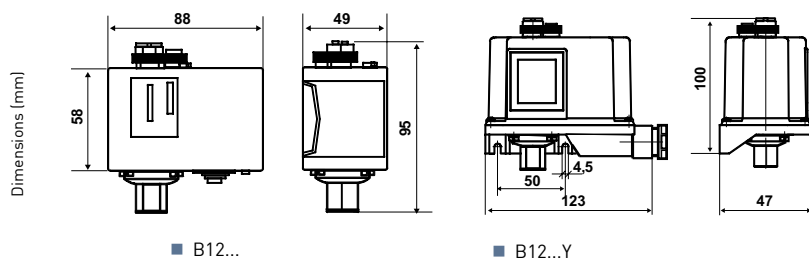


€0497

DM 174/2004

CODE	RESET	RANGE	DIFFERENTIAL	SENSING ELEMENT MAX. PRESSURE	CONNECTION G 1/4	PROTECTION RATING
B12CN	automatic	-0,2 ÷ 8 bar	0,6 ÷ 3 bar	9 bar	female	IP40
B12DN	automatic	5 ÷ 16 bar	1 ÷ 3,5 bar	18 bar	female	IP40
B12EN	automatic	8 ÷ 28 bar	2 ÷ 6 bar	32 bar	female	IP40
B12CRN	automatic	-0,2 ÷ 8 bar	0,6 ÷ 3 bar	9 bar	SAE	IP40
B12ERN	automatic	8 ÷ 28 bar	2 ÷ 6 bar	32 bar	SAE	IP40
B12CN4 *	automatic	-0,2 ÷ 8 bar	0,6 ÷ 3 bar	9 bar	male	IP40
B12DN4 *	automatic	5 ÷ 16 bar	1 ÷ 3,5 bar	18 bar	male	IP40
B12CMN *	manual	1 ÷ 8 bar	0,6 ÷ 3 bar	9 bar	female	IP40
B12DMN *	manual	5 ÷ 16 bar	1 ÷ 3,5 bar	18 bar	female	IP40
B12EMN *	manual	8 ÷ 28 bar	2 ÷ 6 bar	32 bar	female	IP40
B12CNY	automatic	-0,2 ÷ 8 bar	0,6 ÷ 3 bar	9 bar	female	IP65
B12DNY	automatic	5 ÷ 16 bar	1 ÷ 3,5 bar	18 bar	female	IP65
B12ENY	automatic	8 ÷ 28 bar	2 ÷ 6 bar	32 bar	female	IP65
B12CRNY	automatic	-0,2 ÷ 8 bar	0,6 ÷ 3 bar	9 bar	SAE	IP65
B12ERNY	automatic	8 ÷ 28 bar	2 ÷ 6 bar	32 bar	SAE	IP65

* available upon request



Adjustable pressure switches up to 300 bar



- The differential must be subtracted from the range value
- Contact rating 250Vac 16(6)A

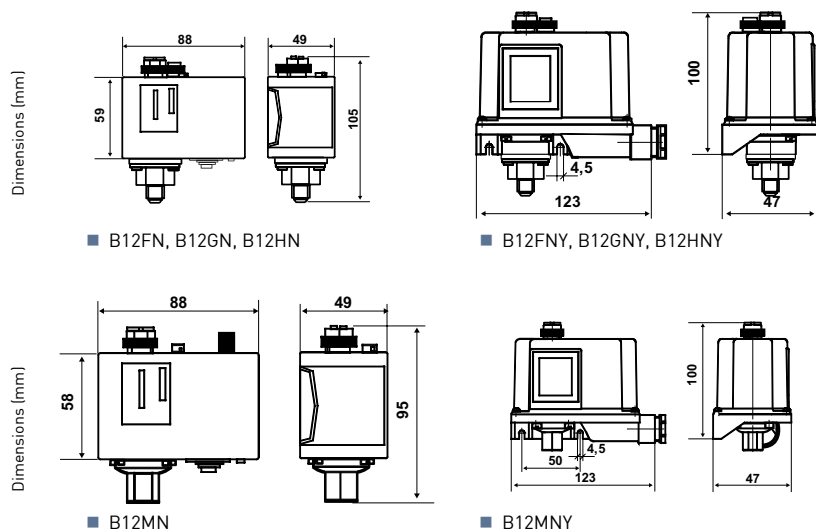


€0497

DM 174/2004

CODE	RESET	RANGE	DIFFERENTIAL	SENSING ELEMENT MAX. PRESSURE	CONNECTION G 1/4	PROTECTION RATING
B12FN	automatic	12 ÷ 50 bar	6 ÷ 15 bar	60 bar	male	IP40
B12GN	automatic	25 ÷ 150 bar	12 ÷ 40 bar	180 bar	male	IP40
B12HN	automatic	60 ÷ 300 bar	40 ÷ 80 bar	350 bar	male	IP40
B12FMN *	manual	12 ÷ 50 bar	6 ÷ 15 bar	60 bar	male	IP40
B12GMN *	manual	25 ÷ 150 bar	12 ÷ 40 bar	180 bar	male	IP40
B12HMN *	manual	60 ÷ 300 bar	40 ÷ 80 bar	350 bar	male	IP40
B12FNY	automatic	12 ÷ 50 bar	6 ÷ 15 bar	60 bar	male	IP65
B12GNY	automatic	25 ÷ 150 bar	12 ÷ 40 bar	180 bar	male	IP65
B12HNY	automatic	60 ÷ 300 bar	40 ÷ 80 bar	350 bar	male	IP65
B12MNN	manual	1 ÷ 5 bar	0,6 fixed bar	9 bar	female	IP40
B12MNY	manual	1 ÷ 5 bar	0,6 fixed bar	9 bar	female	IP65

* available upon request



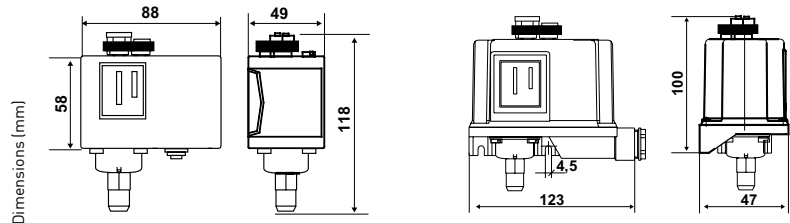
Adjustable pressure switches up to 10 bar, low differential



- The differential must be subtracted from the range value.
- Fluid-contacting parts in copper alloy
- Contact rating 250Vac 16(6)A.



CODE	RANGE	DIFFERENTIAL	SENSING ELEMENT MAX. PRESSURE	CONNECTION G 1/4	PROTECTION RATING
B13BN	0,3 ÷ 4 bar	0,1 ÷ 0,5 bar	6 bar	male	IP40
B13CN	1 ÷ 10 bar	0,3 ÷ 1,5 bar	16 bar	male	IP40
B13BNY	0,3 ÷ 4 bar	0,1 ÷ 0,5 bar	6 bar	male	IP65
B13CNY	1 ÷ 10 bar	0,3 ÷ 1,5 bar	16 bar	male	IP65



■ B13...

■ B13...Y

CE 0497

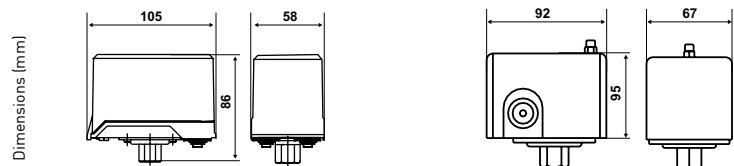
Pressure switches for direct control of single-phase, two-phase, and three-phase motors



- B70A Contact rating 415Vac 20(9)A.
- B71A Contact rating 415Vac 12(3)A.



CODE	SWITCHING PRESSURE RANGE	START OF RANGE DIFFERENTIAL	END OF RANGE DIFFERENTIAL	MAXIMUM DIFFERENTIAL	PROTECTION RATING	CONNECTION
B70A	0,5 ÷ 7 bar	0,8 bar	1,8 bar	3,5 bar	IP40	three-phase
B71A	1,5 ÷ 4,5 bar	1,0 ÷ 2,1 bar	1,2 ÷ 2,3 bar	2,3 bar	IP20	two-phase



■ B70A

■ B71A

TG600 - Compact pressure switches

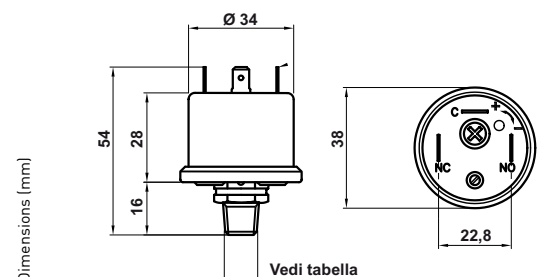


- Versions with gold-plated contacts available upon request.
- Versions for minimum pressure control between 0.3 and 1.5 bar available upon request.
- Versions for maximum pressure control between 1 and 6 bar available upon request.
- Available connections: R 1/8 (ch14) - G 1/4 (ch17) + special connections available upon request



CODE	FUNCTION		SWITCHING SETPOINT bar	RESET		CONTACTS		CONNECTION	PACK QTY
	low limit	high limit		automatic	manual	SPST	SPDT		
250-05301-10A	•		0,5 bar	•		•		R 1/4	30
250-08301-10A	•		0,8 bar	•		•		R 1/4	30
251-05301-10A	•		0,5 bar	•		•		R 1/8	150
251-08301-10A *	•		0,8 bar	•		•		R 1/8	30
250-10300-10A		•	1 bar	•		•		R 1/4	30
250-10301-10A	•		1 bar	•		•		R 1/4	30
251-10301-10A *	•		1 bar	•		•		R 1/8	30
255-08301-10A *	•		0,8 bar	•			Gold-plated	R 1/4	30
280-35200-10A *		•	3,5 bar		•	•		R 1/4	30
281-35200-10A *		•	3,5 bar		•	•		R 1/8	30

* available upon request



DIRECT CONNECTION PRESSURE GAUGES

Pressure gauges with red index

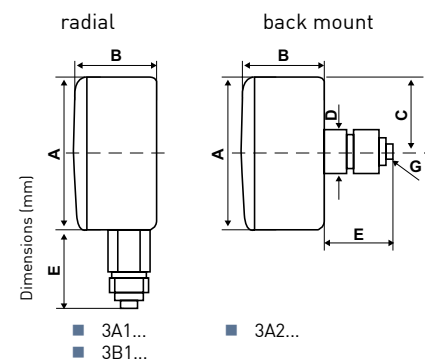


- Bourdon tube manometric element in phosphor bronze
- Movement in brass for watchmaking
- Accuracy class 2.5
- Brass connection



CODE	RANGE	GLASS	CONNECTION POSITION	POINTER	INDEX	CASE	DIAL		CONNECTION	PACK QTY
							bar	mm		
3A1-24520-00A	0 ÷ 4	Unbreakable Polystyrene	radial	Al	ABS	ABS	50 Ø ABS	G 1/4 B	20	
3A1-25520-00A	0 ÷ 6								20	
3A1-26520-00A	0 ÷ 10								20	
3A1-27520-00A	0 ÷ 16								20	
3A1-28520-00A	0 ÷ 25								20	
3A1-32520-00A	0 ÷ 1,6	Unbreakable Polystyrene	radial	Al	ABS	ABS	63 Ø ABS	G 1/4 B	20	
3A1-33520-00A	0 ÷ 2,5								20	
3A1-34520-00A	0 ÷ 4								20	
3A1-35520-00A	0 ÷ 6								20	
3A1-36520-00A	0 ÷ 10								20	
3A1-37520-00A	0 ÷ 16	Glass	radial	Al	Al	Coated steel	80 Ø Al	G 3/8 B	20	
3A1-38520-00A	0 ÷ 25								20	
3B1-42421-00A	0 ÷ 1,6								20	
3B1-43421-00A	0 ÷ 2,5								20	
3B1-44421-00A	0 ÷ 4								20	
3B1-45421-00A	0 ÷ 6	Unbreakable Polystyrene	radial	Al	Al	ABS	100 Ø Al	G 1/2 B	20	
3B1-46421-00A	0 ÷ 10								20	
3B1-47421-00A	0 ÷ 16								20	
3A1-52530-00A	0 ÷ 1,6								20	
3A1-53530-00A	0 ÷ 2,5								20	
3A1-54530-00A	0 ÷ 4	Unbreakable Polystyrene	back mount	ABS	ABS	ABS	50 Ø ABS	G 1/4 B	20	
3A1-55530-00A	0 ÷ 6								20	
3A1-56530-00A	0 ÷ 10								20	
3A1-57530-00A	0 ÷ 16								20	
3A1-58530-00A	0 ÷ 25								20	
3A1-59530-00A	0 ÷ 40	20								
3A2-24520-00A	0 ÷ 4	Unbreakable Polystyrene	back mount	ABS	ABS	ABS	63 Ø ABS	G 1/4 B	20	
3A2-25520-00A	0 ÷ 6								20	
3A2-26520-00A	0 ÷ 10								20	
3A2-27520-00A	0 ÷ 16								20	
3A2-28520-00A	0 ÷ 25								20	
3A2-34520-00A	0 ÷ 4	Unbreakable Polystyrene	back mount	ABS	ABS	ABS	63 Ø ABS	G 1/4 B	20	
3A2-35520-00A	0 ÷ 6								20	
3A2-36520-00A	0 ÷ 10								20	
3A2-37520-00A	0 ÷ 16								20	
3A2-38520-00A	0 ÷ 25								20	

mm		ØA	B	C	D	E
50	radial	48,7	27	9,7	-	24,6
	back	48,7	27	24,1	14	23,3
63	radial	61,6	28	10	-	24,6
	back	61,6	28	30,3	14	23,3
80	radial	77	30,5	13,2	-	33
	back	77	28,5	-	-	18,5
100	radial	100,5	36,2	13,1	-	33



Pressure gauges with dual range bar/psi

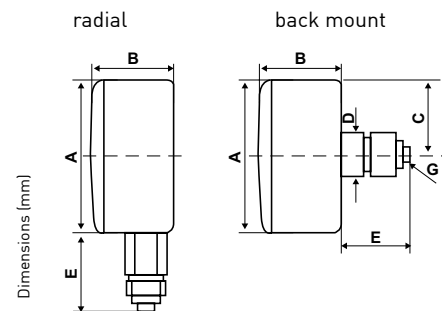


- Bourdon tube pressure element in phosphor bronze
- Brass movement for watchmaking
- Accuracy class 2.5
- Brass connection



CODE	RANGE		GLASS	POINTER	CASE	CONNECTION	DIAL	CONNECTION POSITION	PACK QTY
	BAR	PSI							
3A1-14310-00A	0 ÷ 4	0 ÷ 60	Unbreakable Polystyrene	AL	ABS	G 1/8 B	Ø 40mm ABS	radial	20
3A1-15310-00A	0 ÷ 6	0 ÷ 100							20
3A1-16310-00A	0 ÷ 10	0 ÷ 160							20
3A1-24320-00A	0 ÷ 4	0 ÷ 60	Unbreakable Polystyrene	AL	ABS	G 1/4 B	Ø 50mm ABS	radial	20
3A1-25320-00A	0 ÷ 6	0 ÷ 100							20
3A1-26320-00A	0 ÷ 10	0 ÷ 160							20
3A1-27320-00A	0 ÷ 16	0 ÷ 200	Unbreakable Polystyrene	AL	ABS	G 1/4 B	Ø 63mm ABS	radial	20
3A1-32320-00A	0 ÷ 1,6	0 ÷ 20							20
3A1-33320-00A	0 ÷ 2,5	0 ÷ 30							20
3A1-34320-00A	0 ÷ 4	0 ÷ 60	Unbreakable Polystyrene	AL	ABS	G 1/4 B	Ø 63mm ABS	radial	20
3A1-35320-00A	0 ÷ 6	0 ÷ 100							20
3A1-36320-00A	0 ÷ 10	0 ÷ 160							20
3B1-52330-00A	0 ÷ 1,6	0 ÷ 20	Unbreakable Polystyrene	AL	ABS	G 1/4 B	Ø 63mm ABS	radial	20
3B1-53330-00A	0 ÷ 2,5	0 ÷ 30							20
3B1-54330-00A	0 ÷ 4	0 ÷ 60							20
3B1-55330-00A	0 ÷ 6	0 ÷ 100	Glass	AL	Coated steel	G 3/8 B	Ø 100mm AL	radial	20
3B1-56330-00A	0 ÷ 10	0 ÷ 160							20
3B1-57330-00A	0 ÷ 16	0 ÷ 200							20
3B1-58330-00A	0 ÷ 25	0 ÷ 400	Unbreakable Polystyrene	AL	Coated steel	G 3/8 B	Ø 100mm AL	radial	20
3B1-59330-00A	0 ÷ 40	0 ÷ 600							20
3B1-5A330-00A	0 ÷ 60	0 ÷ 800							20
3A2-14310-00A	0 ÷ 4	0 ÷ 60	Unbreakable Polystyrene	ABS	ABS	G 1/8 B	Ø 40mm ABS	back mount	20
3A2-15310-00A	0 ÷ 6	0 ÷ 100							20
3A2-16310-00A	0 ÷ 10	0 ÷ 160							20
3A2-17310-00A	0 ÷ 16	0 ÷ 200	Unbreakable Polystyrene	ABS	ABS	G 1/4 B	Ø 50mm ABS	back mount	20
3A2-24320-00A	0 ÷ 4	0 ÷ 60							20
3A2-25320-00A	0 ÷ 6	0 ÷ 100							20
3A2-26320-00A	0 ÷ 10	0 ÷ 160	Unbreakable Polystyrene	ABS	ABS	G 1/4 B	Ø 50mm ABS	back mount	20
3A2-27320-00A	0 ÷ 16	0 ÷ 200							20
3A2-32320-00A	0 ÷ 1,6	0 ÷ 20							20
3A2-33320-00A	0 ÷ 2,5	0 ÷ 30	Unbreakable Polystyrene	ABS	ABS	G 1/4 B	Ø 63mm ABS	back mount	20
3A2-34320-00A	0 ÷ 4	0 ÷ 60							20
3A2-35320-00A	0 ÷ 6	0 ÷ 100							20
3A2-36320-00A	0 ÷ 10	0 ÷ 160	Unbreakable Polystyrene	ABS	ABS	G 1/4 B	Ø 63mm ABS	back mount	20
3A2-37320-00A	0 ÷ 16	0 ÷ 200							20

mm		ØA	B	C	D	E
40	radial	41,5	23,35	9,2	-	20,3
	back	41,5	27	20,1	14	20,3
50	radial	48,7	27	9,7	-	24,6
	back	48,7	27	24,1	14	23,3
63	radial	61,6	28	10	-	24,6
	back	61,6	28	30,3	14	23,3
100	radial	100,5	36,2	13,1	-	33



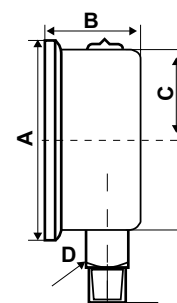
- 3A1...
- 3A2...
- 3B1...

Glycerin-filled pressure gauges with dual range bar/psi



- Bourdon tube pressure element in phosphor bronze
- Brass movement for watchmaking
- Accuracy class 2.5
- Stainless steel AISI 304 casing
- Aluminium dial and pointer
- Brass connection G 1/4 B
- Transparent polycarbonate glass
- Pressure gauges

CODE	RANGE		DIAL	CONNECTOR POSITION	PACK QTY
	BAR	PSI			
3E1-31320-00A	0 ÷ 1	0 ÷ 15	Ø 63mm	radial	20
3E1-33320-00A	0 ÷ 2,5	0 ÷ 36			20
3E1-34320-00A	0 ÷ 4	0 ÷ 60			20
3E1-35320-00A	0 ÷ 6	0 ÷ 85			20
3E1-36320-00A	0 ÷ 10	0 ÷ 160			20
3E1-37320-00A	0 ÷ 16	0 ÷ 200			20
3E1-38320-00A	0 ÷ 25	0 ÷ 400			20
3E1-39320-00A	0 ÷ 40	0 ÷ 600			20
3E1-3A320-00A	0 ÷ 60	0 ÷ 800			20
3E1-3B320-00A	0 ÷ 100	0 ÷ 1500			20
3E1-3C320-00A	0 ÷ 160	0 ÷ 2300			20
3E1-3D320-00A	0 ÷ 250	0 ÷ 3500			20



Dimensions (mm)

mm		ØA	B	C	D	E
63	radial	67,7	32,7	10,9	14	20,2

Pressure gauges for gas



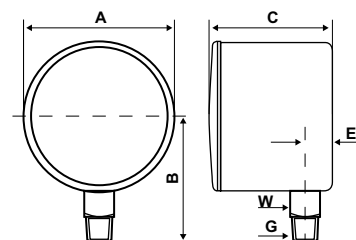
- Diaphragm pressure element
- Brass movement for watchmaking
- Accuracy class 2.5
- Aluminium dial and pointer
- Brass connection

CODE	RANGE	CASE	CONNECTION	GLASS	DIAL	CONNECTOR POSITION	PACK QTY
3G1-3A420-00A	0 ÷ 60	coated steel	G 1/4 B	polycarbonate	Ø 63 mm	radial	20
3G1-3B420-00A	0 ÷ 100						20
3G1-3D420-00A	0 ÷ 250						20
3G1-3E420-00A	0 ÷ 400						20
3G1-3F420-00A	0 ÷ 600						20



Dimensions (mm)

mm	ØA	B	C	E	W
63	66,7	53,6	47	8	14,0



CAPILLARY PRESSURE GAUGES

Pressure gauges with round dial

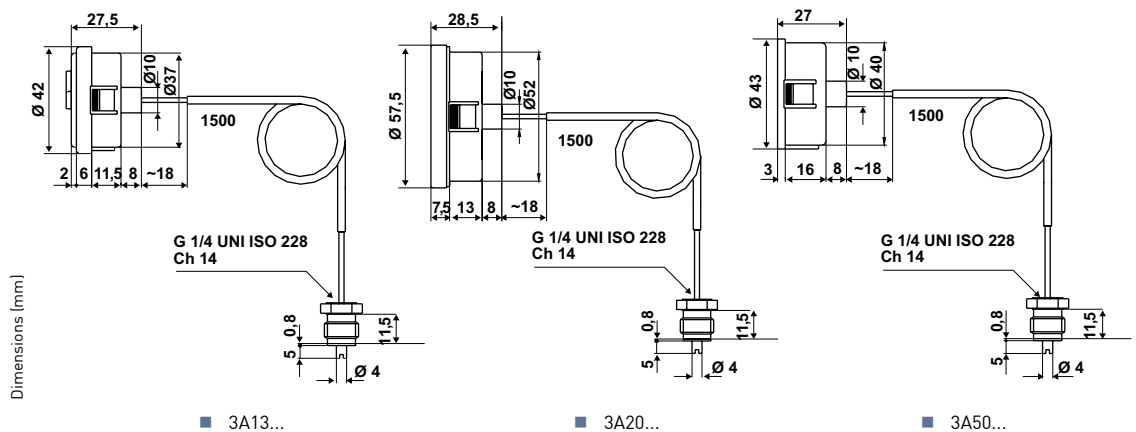


- Mounting with bracket available upon request only for codes 320...
- Available upon request with polyethylene capillary
- Functional and aesthetic customizations are possible



CODE	RANGE bar	DIAL mm	LETTERING COLOUR	FRAME COLOUR	CONNECTION	CAPILLARY		MOUNT. Ø mm	PACK QTY
						mm	material		
3A13-70035-00A *	0 ÷ 4	Ø 42	■	■	G 1/4	1500	Cu + PVC grey	Ø 37	50
3A13-70125-00A *	0 ÷ 4	Ø 42	□	■	G 1/4	1000	Cu + PVC grey	Ø 37	50
3A13-70126-00A *	0 ÷ 4	Ø 42	□	■	G 1/4	1000	Cu + PVC grey	Ø 37	50
3A13-70135-00A *	0 ÷ 4	Ø 42	□	■	G 1/4	1500	Cu + PVC grey	Ø 37	50
3A13-80125-00A *	0 ÷ 6	Ø 42	■	■	G 1/4	1000	Cu + PVC grey	Ø 37	50
3A13-80126-00A *	0 ÷ 6	Ø 42	□	■	G 1/4	1000	Cu + PVC grey	Ø 37	50
3A13-80135-00A *	0 ÷ 6	Ø 42	□	■	G 1/4	1500	Cu + PVC grey	Ø 37	50
3A50-70035-00A *	0 ÷ 4	Ø 43	■	■	G 1/4	1500	Cu + PVC grey	Ø 40	50
3A50-70125-00A *	0 ÷ 4	Ø 43	□	■	G 1/4	1000	Cu + PVC grey	Ø 40	50
3A50-70126-00A *	0 ÷ 4	Ø 43	□	■	G 1/4	1000	Cu + PVC grey	Ø 40	50
3A50-70135-00A *	0 ÷ 4	Ø 43	□	■	G 1/4	1500	Cu + PVC grey	Ø 40	50
3A50-80125-00A *	0 ÷ 6	Ø 43	■	■	G 1/4	1000	Cu + PVC grey	Ø 40	50
3A50-80126-00A *	0 ÷ 6	Ø 43	■	□	G 1/4	1000	Cu + PVC grey	Ø 40	50
3A50-80135-00A *	0 ÷ 6	Ø 43	■	■	G 1/4	1500	Cu + PVC grey	Ø 40	50
3A20-70035-00A *	0 ÷ 4	Ø 57	■	■	G 1/4	1500	Cu + PVC grey	Ø 52	50
3A20-70125-00A	0 ÷ 4	Ø 57	□	■	G 1/4	1000	Cu + PVC grey	Ø 52	50
3A20-70126-00A	0 ÷ 4	Ø 57	□	■	G 1/4	1000	Cu + PVC grey	Ø 52	50
3A20-70135-00A	0 ÷ 4	Ø 57	□	■	G 1/4	1500	Cu + PVC grey	Ø 52	50
3A20-80125-00A *	0 ÷ 6	Ø 57	■	■	G 1/4	1000	Cu + PVC grey	Ø 52	50
3A20-80126-00A *	0 ÷ 6	Ø 57	■	□	G 1/4	1000	Cu + PVC grey	Ø 52	50
3A20-80135-00A	0 ÷ 6	Ø 57	■	■	G 1/4	1500	Cu + PVC PVC grey	Ø 52	50

* available upon request



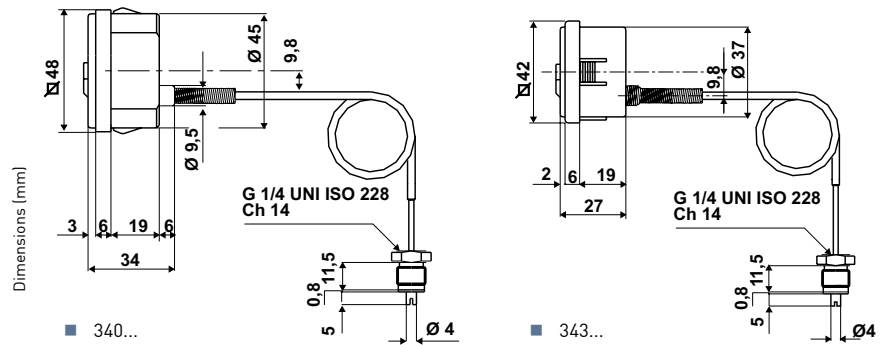
Pressure gauges with square dial



- Available upon request with polyethylene capillary
- Functional and aesthetic customizations are possible

CODE	RANGE	DIAL	LETTERING	FRAME	CONNECTION	CAPILLARY		MOUNT. Ø mm	PACK QTY	
						mm	material			
343-70135-20A *	0 ÷ 4	42 x 42	□	■	■	G 1/4	1500	Cu + PVC grey	Ø 37	50
343-80125-20A *	0 ÷ 6	42 x 42	□	■	■	G 1/4	1000	Cu + PVC grey	Ø 37	50
343-80135-20A *	0 ÷ 6	42 x 42	□	■	■	G 1/4	1500	Cu + PVC grey	Ø 37	50
340-70125-00A *	0 ÷ 4	48 x 48	□	■	■	G 1/4	1000	Cu + PVC grey	45 x 45	50
340-70135-20A *	0 ÷ 4	48 x 48	□	■	■	G 1/4	1500	Cu + PVC grey	45 x 45	50
340-80125-20A *	0 ÷ 6	48 x 48	□	■	■	G 1/4	1000	Cu + PVC grey	45 x 45	50
340-80135-20A *	0 ÷ 6	48 x 48	□	■	■	G 1/4	1500	Cu + PVC grey	45 x 45	50

* available upon request



ACCESSORIES

Cable gland



CODE	DESCRIPTION
303298LA	G1/2 cable gland in V0 self-extinguishing, impact-resistant thermoplastic material

Protective casing



CODE	DESCRIPTION
2593367	Protective casing IP44

Nipple male/male G1/4"



CODE	DESCRIPTION
1504214	Nipple male/male G1/4"

Pre-wired three-pole connector for TG600 series pressure switches



CODE	DESCRIPTION	PACK QTY
4790-15-1A	Pre-wired three-pole connector, length 1m	100

Pressure gauge valves



CODE	CONNECTION	NOMINAL PRESSURE	PACK QTY
7750-14-0A	G 1/4 A	PN 25 bar	20
7750-38-0A	G 3/8 A	PN 25 bar	20
7750-12-0A	G 1/2 A	PN 25 bar	20

- Brass three-way body
- DN 40 flange for control pressure gauge
- Male/female connection



Coil/dampers



CODE	CONNECTION	NOMINAL PRESSURE	PACK QTY
7760-14-0A	G 1/4 A	PN 25 bar	20
7760-38-0A	G 3/8 A	PN 25 bar	20
7760-12-0A	G 1/2 A	PN 25 bar	20

- Copper tube
- Brass male/female swivel connection



Accessories for capillary pressure gauges



CODE	DESCRIPTION	PACK QTY
4553-61-1B *	Female fitting with longitudinal milling M14x1 F CH17	20
4553-62-0B *	Male fitting with longitudinal milling M14x1 M CH14	20
4700-00-1A	Check valves connections with 1/2 - 14NPT x G 1/4 female CH21	20
4700-01-8A *	Check valves connections with 1/2 - 14NPT x M14X1 female CH21	20
4700-10-9A	Check valves connections with R 1/4 male x G 1/4 female CH17	20
4550-01-1A	M6 pin for bracket mounting	20

* available upon request





ENCASED
THERMOSTATS

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REAR PANEL
THERMOSTATS

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ELECTRONIC THERMOSTATS,
THERMOMETERS
AND HYGROSTATS

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CAPILLARY
THERMOMETERS

PAGE 180



BIMETALLIC
THERMOMETERS

PAGE 182



GLASS
THERMOMETERS

PAGE 182





















CAPILLARY
THERMOMANOMETERS

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ACCESSORIES

PAGE 184

-  External adjustment
-  Internal adjustment
-  Cam adjustment
-  Pin adjustment
-  Screwdriver adjustment
-  Manual reset
-  Flush mounting
-  Wall mounting
-  DIN-rail mounting
-  Protection rating IP40
-  Protection rating IP43
-  Protection rating IP65
-  Protection rating IP00
-  Protection rating IP55
-  Protection rating IP54 with panel mounting
-  Protection rating IP40 with back panel mounting
-  Protection rating IP55 with panel mounting
-  TG brand product

THERMOSTATS AND HYGROSTATS



ENCASED THERMOSTATS

Pipe thermostats



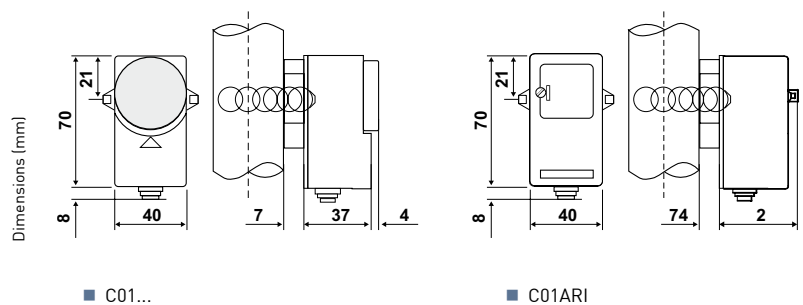
CODE	ADJUSTMENT TYPE	TEMPERATURE RANGE	DIFFERENTIAL	MAXIMUM BODY TEMPERATURE	MAXIMUM BULB TEMPERATURE
C01A	external	20 ÷ 90 °C	8 K	85 °C	120 °C
C01AM *	internal with manual reset	20 ÷ 90 °C	8 K	85 °C	120 °C
C01ARI *	internal	20 ÷ 90 °C	8 K	85 °C	120 °C

* available upon request

- The differential must be subtracted from the range value
- Contact rating 15(6)A 250V~
- AgCdO gold-plated contacts
- Faston connections



CE 0497 03



Immersion thermostats



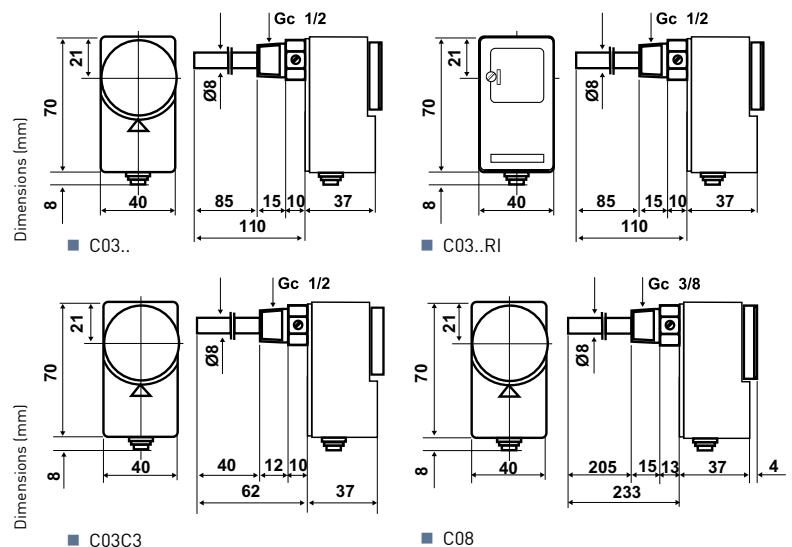
CODE	ADJUSTMENT TYPE	TEMPERATURE RANGE	DIFFERENTIAL	MAXIMUM BODY TEMPERATURE	MAXIMUM BULB TEMPERATURE
C03A3	external	10 ÷ 90 °C	6 ± 1 K	85 °C	150 °C
C03B3	external	40 ÷ 120 °C	6 ± 1 K	85 °C	150 °C
C03C3	external	10 ÷ 90 °C	6 ± 1 K	85 °C	135 °C
C03A3RI *	internal	10 ÷ 90 °C	6 ± 1 K	85 °C	150 °C
C03B3RI *	internal	40 ÷ 120 °C	6 ± 1 K	85 °C	150 °C
C08A	external	0 ÷ 110 °C	6 ± 2 K	85 °C	150 °C
C08B	external	90 ÷ 200 °C	6 ± 2 K	85 °C	250 °C

* available upon request



CE 0497 03

DM 174/2004



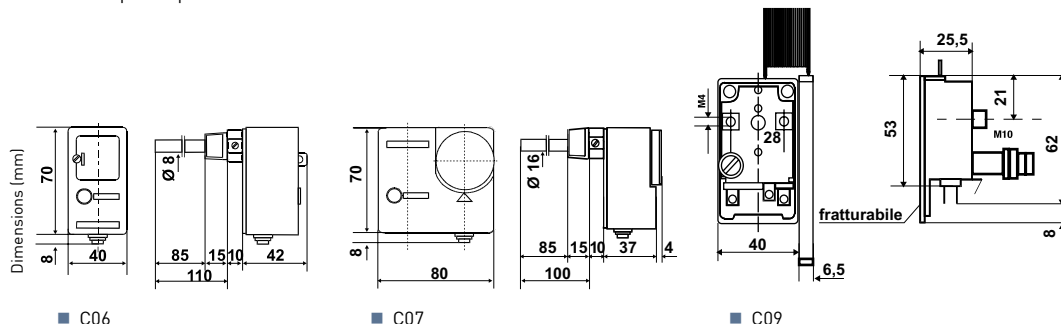
Thermostats and bimetallic thermostats with manual reset



CODE	LOCKING INTERVENTION	TEMPERATURE RANGE	TOLERANCE INTERVENTION	MAXIMUM BULB TEMPERATURE	PROTECTION RATING
C06A3M	100 °C	-	+ 0 - 6 °C	150 °C	IP40
C06B3M	* 90 °C	-	+ 0 - 6 °C	150 °C	IP40
C07A3M	100 °C	10 ÷ 90 °C	+ 0 - 6 °C •	130 °C	IP40
C09A3M	100 °C	-	+ 0 - 6 °C	120 °C	IP00

* available upon request

- The differential must be subtracted from the range value
- Contact rating 15(6)A 250V~
- Gold-plated AgCdO contacts
- Maximum temperature of the body: 85°C
- Tolerance refers only to the locking thermostat



DM 174/2004

Capillary and bulb thermostats, remote mounting



CODE	ADJUSTMENT TYPE	TEMPERATURE RANGE	DIFFERENTIAL	CALIBRATION ACCURACY	MAXIMUM BULB TEMPERATURE	PROTECTION RATING
C04A3	external	10 ÷ 90 °C	6 ± 1 K	± 3 °C	150 °C	IP40
C04B3	external	50 ÷ 300 °C	8 ± 2 K	± 3 °C	350 °C	IP40
C04C2	external	- 20 ÷ 40 °C	2 ± 0.5 K	± 2 °C	80 °C	IP40
C04D2	external	- 35 ÷ 20 °C	2 ± 0.5 K	± 2 °C	80 °C	IP40
C04E3	external	40 ÷ 120 °C	6 ± 2 K	± 3 °C	150 °C	IP40
C04A3RI	* internal	10 ÷ 90 °C	6 ± 1 K	± 3 °C	150 °C	IP40
C04C2RI	* internal	- 20 ÷ 40 °C	2 ± 0.5 K	± 2 °C	80 °C	IP40
C04A3Y	external	10 ÷ 90 °C	6 ± 1 K	± 3 °C	150 °C	IP65
C04B3Y	external	50 ÷ 300 °C	8 ± 2 K	± 3 °C	350 °C	IP65
C04C2Y	external	- 20 ÷ 40 °C	2 ± 0.5 K	± 2 °C	80 °C	IP65
C04D2Y	external	- 35 ÷ 20 °C	2 ± 0.5 K	± 2 °C	80 °C	IP65
C04E3Y	external	40 ÷ 120 °C	6 ± 2 K	± 3 °C	150 °C	IP65
C04C2RIY	* internal	- 20 ÷ 40 °C	2 ± 0.5 K	± 2 °C	80 °C	IP65

* available upon request

- The differential must be subtracted from the range value
- Contact rating 15(6)A 250V~
- Gold-plated AgCdO contacts
- Maximum temperature of the body: 85°C

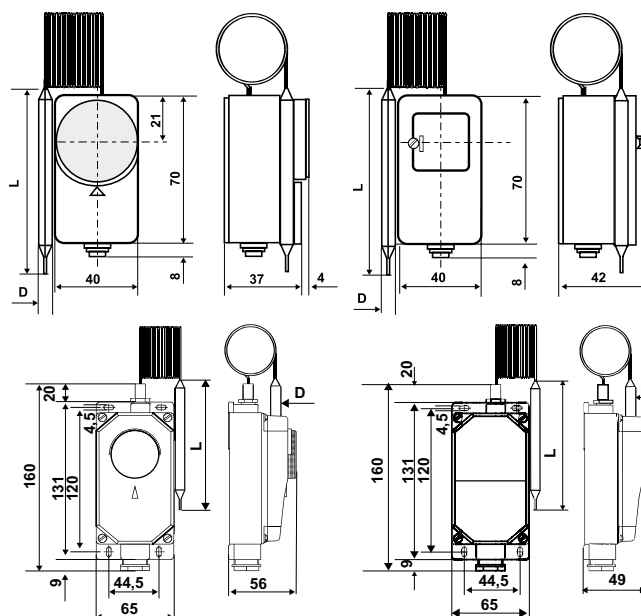


L capillary	L mm	D mm	
C04A3	1 m	73,5	6,5
C04B3	1,5 m	65	5
C04C2	1,5 m	103	6,5
C04D2	1,5 m	103	6,5
C04E3	1 m	73,5	6,5

L capillary	L mm	D mm	
C04A3RI	1 m	73,5	6,5
C04C2RI	1,5 m	103	6,5

L capillary	L mm	D mm	
C04A3Y	1 m	73,5	6,5
C04B3Y	1,5 m	65	5
C04C2Y	1,5 m	103	6,5
C04D2Y	1,5 m	103	6,5
C04E3Y	1 m	73,5	6,5

L capillary	L mm	D mm	
C04C2RIY	1,5 m	103	6,5



Thermostats with spiral capillary

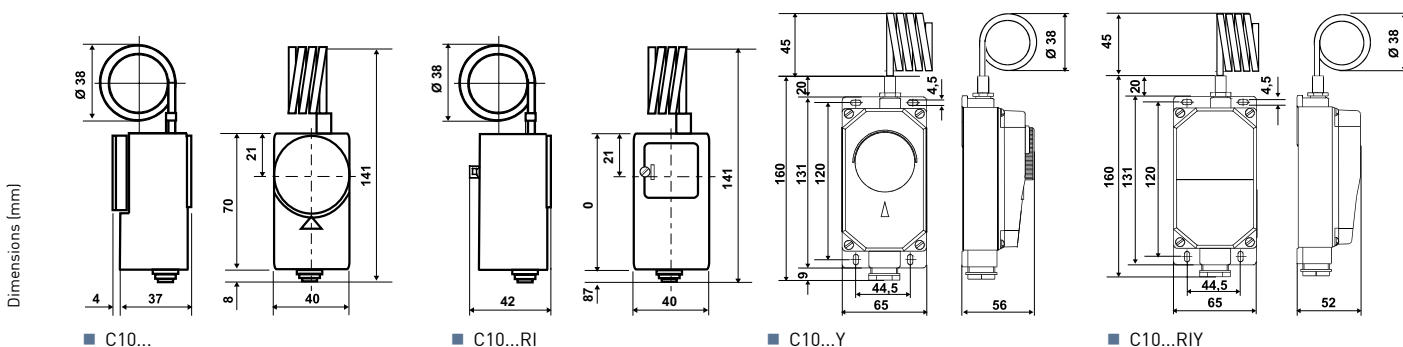


- The differential must be subtracted from the range value
- Contact rating 15(6)A 250V~
- Gold-plated AgCdO contacts



CODE	ADJUSTMENT TYPE	TEMPERATURE RANGE	DIFFERENTIAL	MAXIMUM BODY TEMPERATURE	PROTECTION RATING
C10A2	external	0 ÷ 60 °C	2 ± 0.5 K	80 °C	IP40
C10B2	external	- 20 ÷ 40 °C	2 ± 0.5 K	60 °C	IP40
C10C2	external	- 35 ÷ 20 °C	2 ± 0.5 K	50 °C	IP40
C10A2RI *	internal	0 ÷ 60 °C	2 ± 0.5 K	80 °C	IP40
C10B2RI *	internal	- 20 ÷ 40 °C	2 ± 0.5 K	60 °C	IP40
C10C2RI *	internal	- 35 ÷ 20 °C	2 ± 0.5 K	50 °C	IP40
C10A2Y	external	0 ÷ 60 °C	2 ± 0.5 K	80 °C	IP65
C10B2Y	external	- 20 ÷ 40 °C	2 ± 0.5 K	60 °C	IP65
C10C2Y	external	- 35 ÷ 20 °C	2 ± 0.5 K	50 °C	IP65
C10A2RIY *	internal	0 ÷ 60 °C	2 ± 0.5 K	80 °C	IP65
C10B2RIY *	internal	- 20 ÷ 40 °C	2 ± 0.5 K	60 °C	IP65
C10C2RIY *	internal	- 35 ÷ 20 °C	2 ± 0.5 K	50 °C	IP65

* available upon request



Pipe thermostats

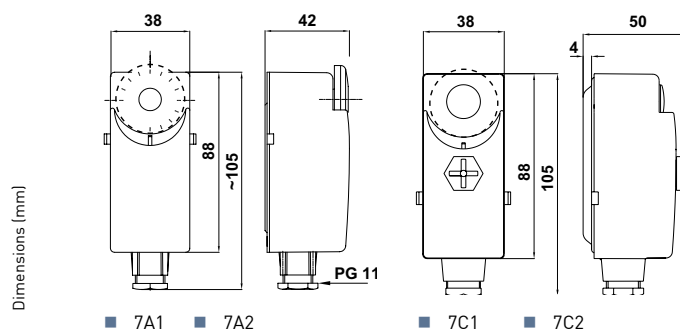


- Contact rating 16(4)A 250Vac, 6(1)A 400Vac
- The thermostat is supplied complete with a band spring for mounting and a 20g single-dose thermal paste packet
- Other temperature ranges available upon request



CODE	TEMPERATURE RANGE	TYPE OF SENSOR		TYPE OF ADJUSTMENT		DIFF.	PACK QTY
		liquid expansion	bimetallic	internal	external		
7A1-1R306-00A	0 ÷ 90 °C		•		•	10 ± 2K	10
7A1-6R306-00A	0 ÷ 60 °C		•		•	10 ± 2K	10
7A2-10306-00A	0 ÷ 90 °C		•	•		10 ± 2K	10
7A2-60306-00A	0 ÷ 60 °C		•	•		10 ± 2K	10
7C1-1R306-50A	10 ÷ 90 °C	•			•	6 ± 2K	10
7C1-6R306-50A *	5 ÷ 60 °C	•			•	6 ± 2K	10
7C2-10306-50A	10 ÷ 90 °C	•		•		6 ± 2K	10
7C2-60306-50A *	5 ÷ 60 °C	•		•		6 ± 2K	10

* available upon request



Pipe limit thermostats



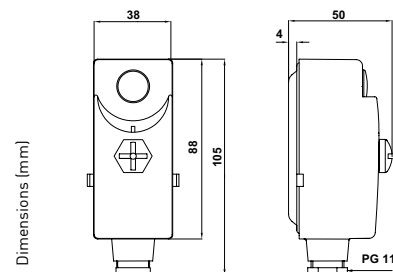
CODE	TEMPERATURE RANGE	TYPE OF SENSOR		RESET	PACK QTY
		liquid expansion	bimetallic		
9C2-70306-50A	30 ÷ 70 °C	•		manual	10
9C6-55306-50A *	55 °C	•		manual	10
9C6-65306-50A *	65 °C	•		manual	10

* available upon request

- Contact rating 16(4)A 250Vac, 6(1)A 400Vac
- Failsafe function
- Supplied complete with a band spring for mounting and a 20g single-dose thermal paste packet



CE0497



Immersion control thermostats for direct mounting



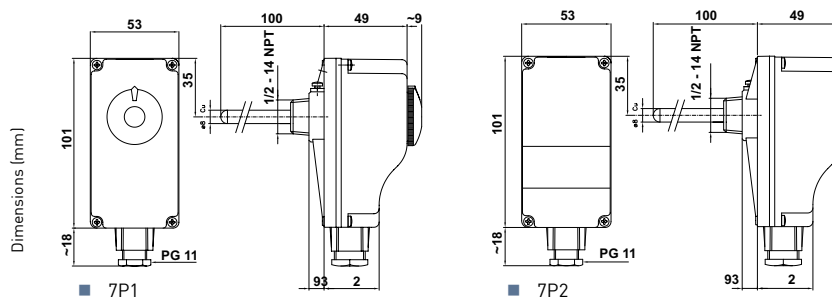
CODE	TEMPERATURE RANGE	IP	TYPE OF ADJUSTMENT		CONNECTION	SHEATH	DIFF.	PACK QTY
			internal	external				
7P1-1R306-00A	0 ÷ 90 °C			•			6 ± 2K	10
7P1-6R306-00A *	0 ÷ 60 °C			•			6 ± 2K	10
7P1-XR306-00A *	30 ÷ 70 °C			•			4 ± 2K	10
7P2-10306-00A	0 ÷ 90 °C	IP43	•		R 1/2	100	6 ± 2K	10
7P2-60306-00A *	0 ÷ 60 °C		•				6 ± 2K	10
7P2-X0306-01A	20 ÷ 200 °C		•				7 : 10K	10

* available upon request

- Contact rating 16(4)A 250Vac, 6(1)A 400Vac
- Sheaths and other temperature ranges available upon request



CE0497 DM 174/2004



Immersion limit thermostats with manual reset



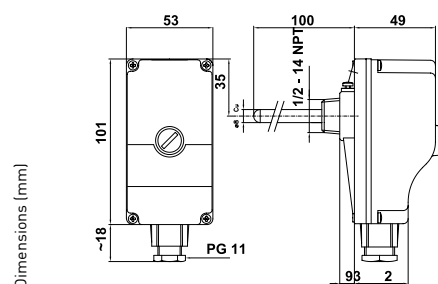
CODE	TEMPERATURE RANGE	PROTECTION RATING	TYPE OF ADJUSTMENT		CONNECTION	SHEATH	PACK QTY
			internal	external			
9P2-70307-00A *	30 ÷ 70 °C	IP43	•		R 1/2	100	10
9P2-11306-00A *	90 ÷ 100 °C	IP43	•		R 1/2	100	10
9P6-99306-00A	100 °C	IP43		fixed	R 1/2	100	10
9P6-11306-00A *	110 °C	IP43		fixed	R 1/2	100	10

* available upon request

- Contact rating 16 (4) A 250Vac, 6(1) A 400Vac
- Failsafe function
- Other temperature ranges available upon request
- Sheaths with different lengths available upon request



CE0497 DM 174/2004



Double immersion thermostats (2 regulators)



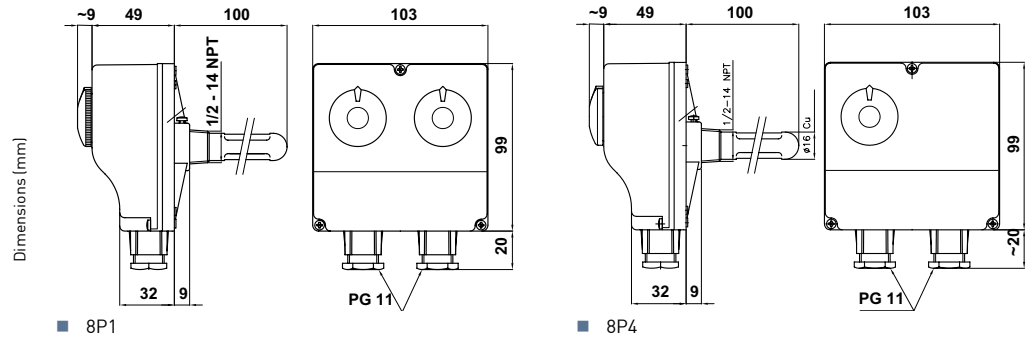
CODE	T1 - REGULATOR		T2 - REGULATOR			PACK QTY		
	TEMPERATURE RANGE	TYPE OF ADJUSTMENT	TEMPERATURE RANGE	TYPE OF ADJUSTMENT			FUNCTION	
				internal	external		control	limit
8P1-BR606-00A	0 ÷ 60 °C	external	30 ÷ 120 °C		•	•	5	
8P1-ER606-00A	0 ÷ 90 °C		30 ÷ 120 °C		•	•	5	
8P4-BR606-00A *	0 ÷ 60 °C		30 ÷ 120 °C	•		•	5	
8P4-ER606-00A	0 ÷ 90 °C		30 ÷ 120 °C	•		•	5	

* available upon request

- Sheath length 100 mm
- Connection R 1/2
- Protection rating IP43
- Contacts in deviation: C/NO/NC (x2)
- Contact rating: 16(4)A 250V AC, 6(1) A 400V AC
- Other temperature ranges available upon request
- Sheaths with different lengths available upon request



CE0497 DM 174/2004



Double immersion thermostats with manual reset (1 regulator + 1 limiter)



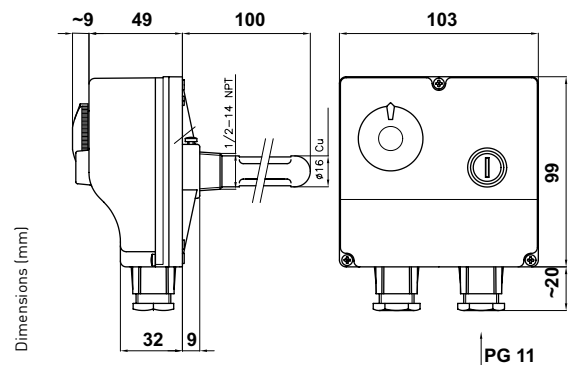
CODE	T1 - REGULATOR		T2 - FAILSAFE LIMITER			PACK QTY		
	TEMPERATURE RANGE	TYPE OF ADJUSTMENT	TEMPERATURE RANGE	TYPE OF ADJUSTMENT			FUNCTION	
				internal	external		T1	T2
8P5-CR606-00A *	0 ÷ 60 °C	external	100 °C	fixed	•	•	5	
8P5-OR606-00A	0 ÷ 90 °C				•	•	5	
8P6-MR606-00A *	0 ÷ 90 °C				•	•	5	

* available upon request

- Bulb length 100 mm
- Connection R 1/2
- Protection rating IP43
- Contacts in deviation: C/NO/NC (x2)
- Contact rating: 16(4)A 250V AC, 6(1)A 400V AC
- Other temperature ranges available upon request
- Bulbs with different lengths available upon request
- T1 differential: manual reset
- T2 differential: 6 ± 2K



CE0497 DM 174/2004



Double thermostats with perforated sheath (2 regulators)



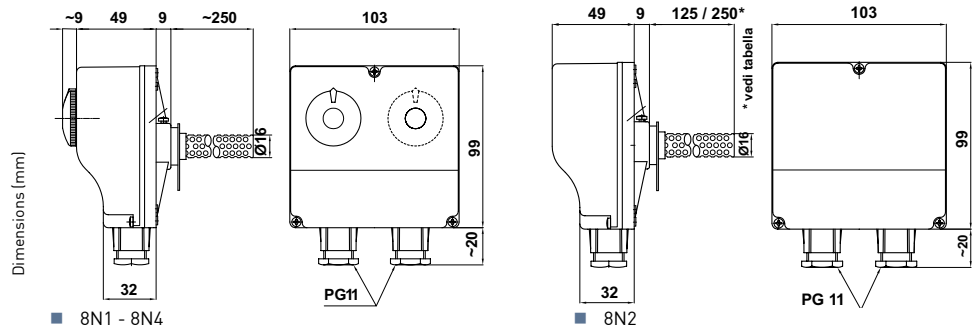
CODE	T1 - REGULATOR		T2 - REGULATOR			SHEATH Ø mm	PACK QTY		
	TEMPERATURE RANGE	TYPE OF ADJUSTMENT		TEMPERATURE RANGE	TYPE OF ADJUSTMENT			FUNCTION	
		internal	external		internal				external
8N1-BR6B6-00A			•			•	•	Ø16x250	5
8N2-B06A6-00A *			•		30 ÷ 120 °C	•	•	Ø16x125	5
8N2-B06B6-00A *	0 ÷ 60 °C		•			•	•	Ø16x250	5
8N4-BR6B6-00A				•		•	•	Ø16x250	5
8N4-XR6A6-00A *			•		0 ÷ 90 °C	•	•	Ø16x125	5

* available upon request

- Contact rating 16 (4) A 250Vac, 6(1) A 400Vac
- Other temperature ranges available upon request
- T1 differential: 6 ± 2K
- T2 differential: 6 ± 2K



CE 0497



Double thermostat with perforated sheath (1 regulator + 1 limiter)

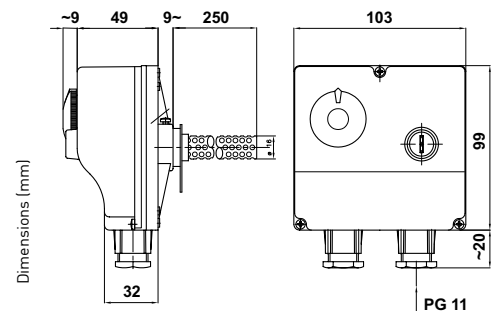


CODE	T1 - REGULATOR		T2 - FAILSAFE LIMITER				PACK QTY		
	TEMPERATURE RANGE	TYPE OF ADJUSTMENT		TEMPERATURE RANGE	FUNCTION				
		internal	external		internal	external		T1 regulator	T2 limiter
8N5-CR6B6-00A	0 ÷ 60 °C		•		100 °C	fixed	•	•	5

- Sheath dimensions Ø16x250 mm
- Contact rating 16(4)A 250Vac, 6(1) A 400Vac
- Other temperature ranges available upon request
- DIFFERENTIAL 6±2 K



CE 0497



Limit thermostats with perforated sheath and manual reset



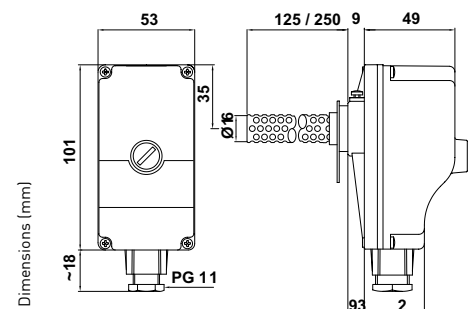
CODE	TEMPERATURE RANGE	PROTECTION RATING	TYPE OF ADJUSTMENT		SHEATH Ø mm	PACK QTY
			internal	external		
9N2-Q03A6-00A *	70 ÷ 110 °C	IP40	•		Ø 16 x 125	10
9N2-X03A6-01A	80 ÷ 120 °C	IP40	•		Ø 16 x 125	10
9N2-X03A6-02A *	60 ÷ 100 °C	IP40	•		Ø 16 x 125	10
9N2-X03B6-01A *	80 ÷ 120 °C	IP40	•		Ø 16 x 250	5
9N6-993B6-00A *	100 °C fixed	IP40	•		Ø 16 x 250	5

* available upon request

- Limit thermostat not equipped with failsafe function
- Contact rating 16(4)A 250Vac, 6(1)A400Vac



CE 0497



Capillary limit thermostats with manual reset



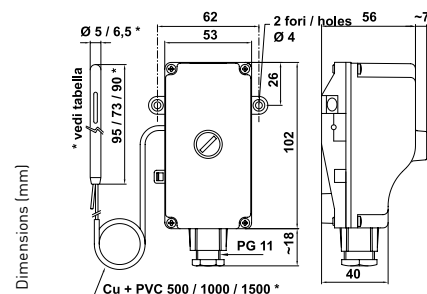
CODE	TEMPERATURE RANGE	PROTECTION RATING	TYPE OF ADJUSTMENT		BULB DIMENSIONS mm	CAPILLARY LENGTH mm	PACK QTY
			internal	fixed			
9K6-70316-00A *	70 °C	IP55		•	Ø 5 x 95 SST	500	10
9K6-99326-00A *	100 °C	IP55		•	Ø 6.5 x 73	1000	10
9K2-11326-00A	90 ÷ 110 °C	IP55	•		Ø 6.5 x 73	1000	10
SPECIAL MODEL - CHIMNEY LIMIT THERMOSTAT							
9K2-Q0836-00A *	70 ÷ 110 °C	IP55	•		Ø 5 x 90	1500	10

* available upon request

- Version with gold-plated contacts code: 9K2-Q0836-00A
- Contacts in deviation: C/NO/NC (Common/Normally Open/Normally Closed)
- Contact rating: 16(4)A 250V AC, 6(1)A 400V AC
- Gold-plated contacts 100mV 0.3A
- Failsafe function
- Other temperature ranges available upon request



CE 0497



Capillary thermostats

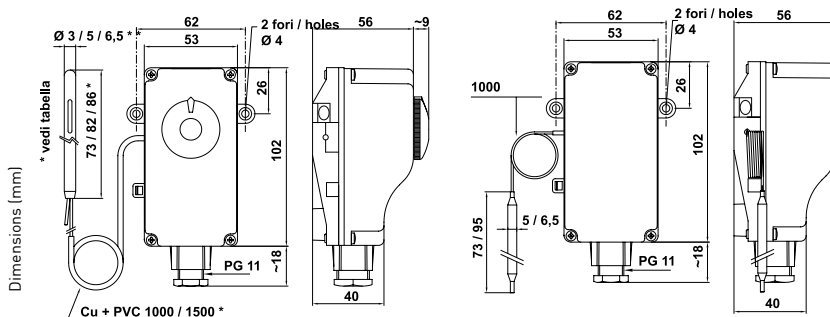


CODE	TEMPERATURE RANGE	IP	TYPE OF ADJUSTMENT		BULB DIMENSIONS mm	CAPILLARY LENGTH mm	DIFF.	PACK QTY
			internal	external				
7K1-6R326-00A *	0 ÷ 60 °C	IP43		•	Ø 6.5 x 73	1000	3 ± 1K	10
7K1-1R326-00A	0 ÷ 90 °C			•	Ø 6.5 x 73	1000	4 ± 2K	10
7K1-1R336-00A	0 ÷ 90 °C			•	Ø 6.5 x 73	1500	4 ± 2K	10
7K1-XR338-01A *	0 ÷ 150 °C			•	Ø 5 x 86	1500	6 ± 2K	10
7K1-HR337-00A *	0 ÷ 300 °C			•	Ø 3 x 190 SST	1500	8 ± 2K	10
7K1-FR336-00A	-35 ÷ 35 °C	IP55		•	Ø 6.5 x 82	1500	2 ± 1K	10
7K1-6S326-00A	0 ÷ 60 °C			•	Ø 6.5 x 73	1000	3 ± 1K	10
7K1-6S326-01A *	0 ÷ 60 °C			•	Ø 5 x 95 SST	1000	3 ± 1K	10
7K1-1S326-00A	0 ÷ 90 °C			•	Ø 6.5 x 73	1000	4 ± 2K	10
7K1-FS336-00A *	-35 ÷ 35 °C			•	Ø 6.5 x 82	1500	2 ± 1K	10
7K2-60326-00A	0 ÷ 60 °C			•	Ø 6.5 x 73	1000	3 ± 1K	10
7K2-60326-01A *	0 ÷ 60 °C			•	Ø 5 x 95 SST	1000	3 ± 1K	10
7K2-10326-00A *	0 ÷ 90 °C			•	Ø 6.5 x 73	1000	4 ± 2K	10
7K6-05366-00A *	5 °C			fixed	Ø 6.5 x 73	3000	2 ± 1K	10

* available upon request



IP43 IP55 CE 0497



■ 7K1

■ 7K2

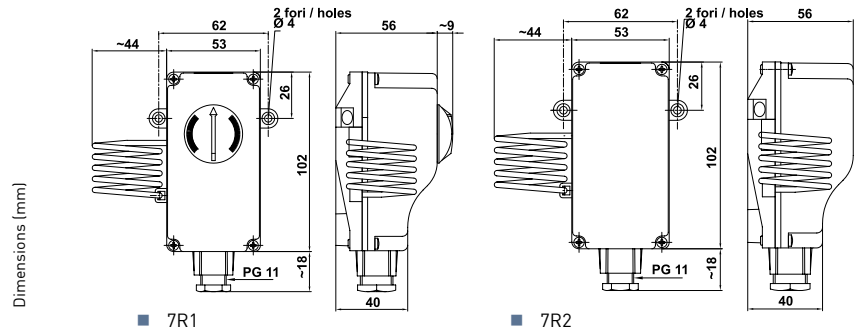
Spiral capillary thermostats in sealed casing



CODE	TYPE OF ADJUSTMENT		TEMPERATURE RANGE	SPIRAL BULB SENSING ELEMENT	IP	DIFF.	PACK QTY
	internal	external					
7R1-5R306-00A		•	0 ÷ 40 °C	stainless steel		2 ± 1K	10
7R1-6R306-00A		•	0 ÷ 60 °C	stainless steel		2 ± 1K	10
7R1-XR306-00A		•	-15 ÷ 40 °C	stainless steel	IP55	2 ± 1K	10
7R2-50306-00A *	•		0 ÷ 40 °C	stainless steel		2 ± 1K	10
7R2-60306-00A	•		0 ÷ 60 °C	stainless steel		2 ± 1K	10

* available upon request

- Version with gold-plated contacts: 100mV 0.3A: 7R1-XR806-00A
- Changeover contacts
- Contact rating: 16(4)A 250V AC, 6(1)A 400V AC
- Other temperature ranges available upon request



CE0497

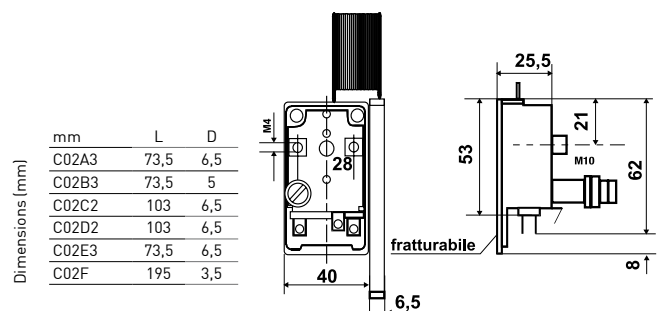
REAR PANEL THERMOSTATS

Rear panel capillary thermostats



CODE	TEMPERATURE RANGE	DIFFERENTIAL	MAXIMUM BODY TEMPERATURE	MAXIMUM BULB TEMPERATURE	CAPILLARY LENGTH
C02A3	10 ÷ 90 °C	6 ± 1 K	85 °C	150 °C	1 m
C02B3	50 ÷ 300 °C	8 ± 2 K	85 °C	350 °C	1.5 m
C02C2	- 20 ÷ 40 °C	2 ± 0.5 K	85 °C	80 °C	1.5 m
C02D2	- 35 ÷ 20 °C	2 ± 0.5 K	85 °C	80 °C	1.5 m
C02E3	40 ÷ 120 °C	6 ± 2 K	85 °C	150 °C	1 m
C02F	50 ÷ 320 °C	10 ± 2 K	85 °C	330 °C	1 m

- The differential must be subtracted from the range value
- External adjustment
- Contact rating: 15(6)A 250V-
- Gold-plated AgCdO contacts (Silver Cadmium Oxide)
- Faston connections



CE0497

TG200 - Capillary thermostats with pin adjustment



KIT - THERMOSTAT COMPLETED WITH FRAME, KNOB, SCREWS, KNOB LOCKING SPRING

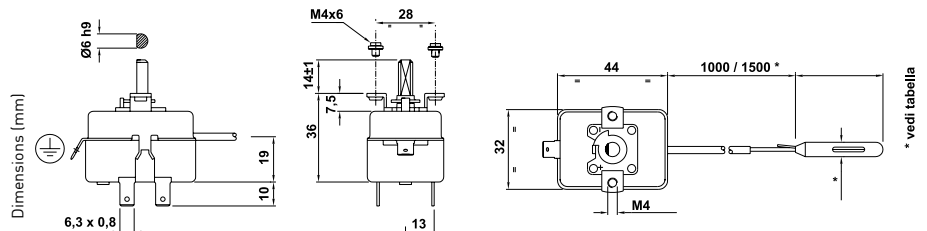
- "Compensated" versions available upon request
- Contact rating 16(4)A 250Vac, 6(1)A 400Vac
- Gold-plated contacts 100mV 0.3A
- Code 713-G1227-01A with G1/4 connection



CE 0497

CODE	TEMPERATURE RANGE	CONTACTS		BULB		CAPILLARY		PACK QTY
		SPST	SPDT	dimensions mm	material	length mm	material	
711-F1328-00A	-35 ÷ 35 °C		•	Ø 6.5 x 83	Cu	1000	Cu + PVC	20
711-F1338-00A	-35 ÷ 35 °C		•	Ø 6.5 x 83	Cu	1500	Cu + PVC	20
711-51328-00A *	0 ÷ 40 °C		•	Ø 6.5 x 100	Cu	1000	Cu + PVC	50
711-51338-00A	0 ÷ 40 °C		•	Ø 6.5 x 100	Cu	1500	Cu + PVC	20
711-11328-00A	0 ÷ 90 °C		•	Ø 6.5 x 73	Cu	1000	Cu + PVC	20
711-11338-V0A	0 ÷ 90 °C		•	Ø 6.5 x 73	Cu	1500	Cu + PVC	20
711-11338-00A	0 ÷ 90 °C		•	Ø 6.5 x 73	Cu	1500	Cu + PVC	50
711-71328-00A	0 ÷ 120 °C		•	Ø 6.5 x 73	Cu	1000	Cu + PVC	20
711-71338-00A	0 ÷ 120 °C		•	Ø 6.5 x 73	Cu	1500	Cu + PVC	20
711-G1329-00A *	0 ÷ 210 °C		•	Ø 5 x 80	Cu	1000	Cu	20
711-G1339-00A	0 ÷ 210 °C		•	Ø 5 x 80	Cu	1500	Cu	20
711-H1327-00A	0 ÷ 300 °C		•	Ø 3 x 190	Stainless steel	1000	SST	20
711-H1337-00A	0 ÷ 300 °C		•	Ø 3 x 190	Stainless steel	1500	SST	20
KIT - THERMOSTAT COMPLETED WITH FRAME, KNOB, SCREWS, KNOB LOCKING SPRING								
711-51338-03A	0 ÷ 40 °C		•	Ø 6.5 x 100	Cu	1500	Cu + PVC	1
711-11338-04A	0 ÷ 90 °C		•	Ø 6.5 x 73	Cu	1500	Cu + PVC	1
711-71338-03A	0 ÷ 120 °C		•	Ø 6.5 x 73	Cu	1500	Cu + PVC	1
711-H1337-03A *	0 ÷ 300 °C		•	Ø 3 x 190	Stainless steel	1500	SST	1
711-11368-03A	0 ÷ 90 °C		•	Ø 6.5 x 73	Cu	3000	Cu + PVC	1
SPECIAL VERSIONS FOR PRESSURE WASHERS - M14X1 CONNECTOR								
711-X1338-02A	OFF/90		•	Ø 6 x 75	Cu	1500	Cu + PVC	50
711-71338-02A *	OFF/120		•	Ø 6 x 75	Cu	1500	Cu + PVC	20
711-X1338-01B	OFF/150		•	Ø 6 x 75	Cu	1500	Cu + PVC	50
SPECIAL VERSION FOR FRYER MACHINES								
713-11328-00A *	0 ÷ 90 °C			Gold-plated Ø 6.5 x 73	Cu	1000	Cu + PVC	20
713-11338-00A *	0 ÷ 90 °C			Gold-plated Ø 6.5 x 73	Cu	1500	Cu + PVC	20
713-G1227-01A	0 ÷ 210 °C	Gold-plated	SPST	Ø 5 x 95	Stainless steel	1000	SST	20
SPECIAL VERSION 62 ÷ 82 - G 1/4 CONNECTOR								
711-X7328-03A	62 ÷ 82 °C		•	Ø 6 x 80	Cu	1000	Cu + PVC	20

* available upon request



TG200 - Capillary thermostats with screwdriver adjustment

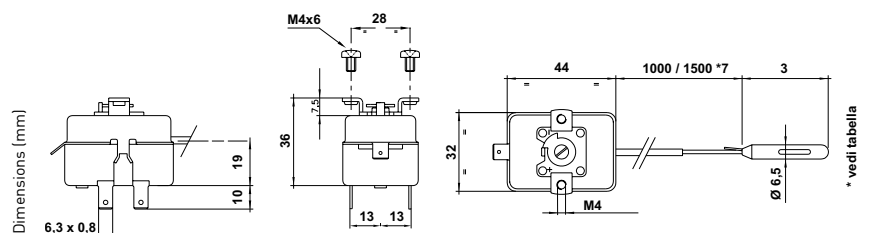


- "Compensated" versions available upon request
- Contact rating 16(4)A 250Vac, 6(1)A 400Vac
- Gold-plated contacts 100mV 0.3A



CE 0497

CODE	TEMPERATURE RANGE	CONTACTS		BULB		CAPILLARY		PACK QTY
		SPST	SPDT	dimensions mm	material	mm	material	
712-10328-V0A	0 ÷ 90 °C		•	Ø 6.5 x 73	Cu	1000	Cu + PVC	20
712-10338-00A	0 ÷ 90 °C		•	Ø 6.5 x 73	Cu	1500	Cu + PVC	50
712-10338-00A	0 ÷ 90 °C		•	Ø 6.5 x 73	Cu	1500	Cu + PVC	20



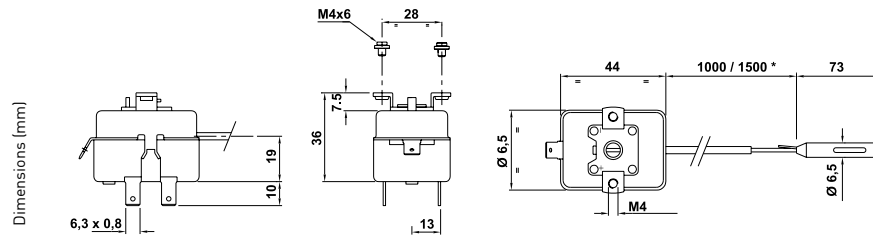
TG200 - Capillary thermostats with fixed calibration



CODE	TEMPERATURE RANGE	CONTACTS		BULB		CAPILLARY		PACK QTY
		SPST	SPDT	dimensions mm	material	mm	material	
716-90328-00A *	90 °C		•	Ø 6.5 x 73	Cu	1000	Cu + PVC	50
716-90338-00A *	90 °C		•	Ø 6.5 x 73	Cu	1500	Cu + PVC	50
716-99338-00A *	100 °C		•	Ø 6.5 x 73	Cu	1500	Cu + PVC	50

* available upon request

- Contact rating 16(4)A 250Vac, 6(1)A 400Vac
- Gold-plated contact versions available upon request



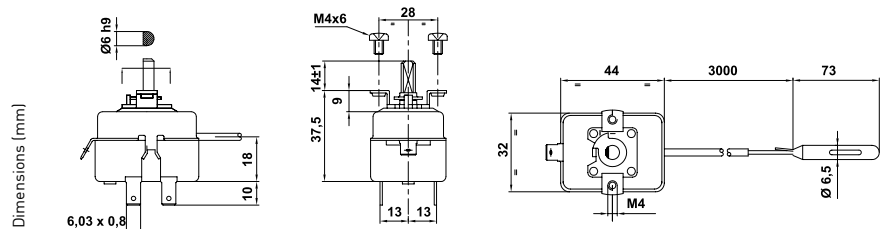
TG200 - Capillary thermostats with compensation



CODE	TEMPERATURE RANGE	CONTACTS		BULB		CAPILLARY		PACK QTY
		SPST	SPDT	mm	material	mm	material	
751-11368-00A *	0 ÷ 90 °C		•	Ø 6.5 x 73	Cu	3000	Cu + PVC	50

* available upon request

- Contact rating 16(4)A 250Vac, 6(1)A 400Vac



TG300 - Compact capillary thermostats



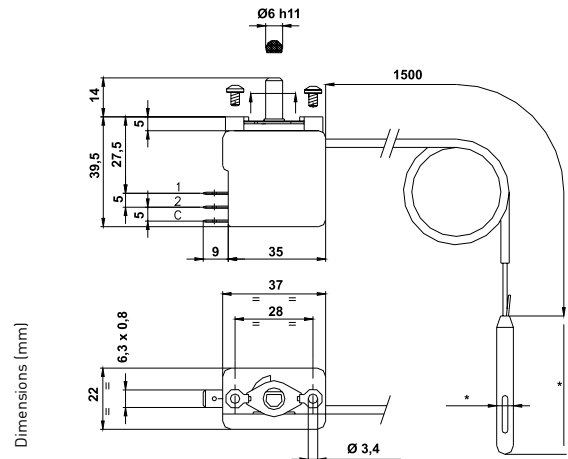
CODE	TEMPERATURE RANGE	TYPE OF ADJUSTMENT/CALIBRATION			BULB		CAPILLARY		PACK QTY
		pin	screwdriver	fixed	dimensions mm	material	mm	material	
7A11-F1338-00A *	-35 ÷ 35 °C	•			∅ 6.5 x 83				50
7A11-51338-00A	0 ÷ 40 °C	•			∅ 6.5 x 100				50
7A11-11338-00B	0 ÷ 90 °C	•			∅ 6.5 x 73	Cu	1500	Cu + PVC	50
7A12-10338-00B *	50 ÷ 90 °C		•						50
7A11-G1339-00A *	0 ÷ 210 °C	•			∅ 5 x 80			Cu	50
7A11-H1337-00B *	0 ÷ 300 °C	•			∅ 3 x 190	SST		SST	50
7A16-90338-00A *	90 °C		•		∅ 6.5 x 73	Cu		Cu + PVC	50

* available upon request

- SPDT contacts
- Contact rating 16(4)A 250Vac, 6(1)A 400Vac.
- Gold-plated contact versions available upon request
- Different capillary lengths available upon request



CE 0497



TG400 - Limit thermostats with fixed calibration and manual reset



CODE	TEMPERATURE RANGE	CONTACTS		BULB		CAPILLARY		PACK QTY
		ON/OFF	ON/OFF + service	dimensions mm	material	mm	material	
971-11338-V0A	110 °C	•		∅ 6.5 x 73	Cu	1500	Cu + PVC	20
971-11348-V0A	110 °C	•		∅ 6.5 x 73	Cu	2000	Cu + PVC	20
971-99228-00A *	100 °C	•		∅ 6.5 x 73	Cu	1000	Cu + PVC	50
971-99328-00A	100 °C	•		∅ 6.5 x 73	Cu	1000	Cu + PVC	20
971-99338-V0A	100 °C	•		∅ 6.5 x 73	Cu	1500	Cu + PVC	20
971-99338-00A	100 °C	•		∅ 6.5 x 73	Cu	1500	Cu + PVC	50
973-99238-00A *	100 °C		Gold-plated	∅ 6.5 x 73	Cu	1500	Cu + PVC	20
973-99338-00A *	100 °C		Gold-plated	∅ 6.5 x 73	Cu	1500	Cu + PVC	50
973-99348-01A	100 °C		Gold-plated	∅ 6.5 x 73	Cu	2000	Cu + PVC	20
973-11348-00A *	110 °C		Gold-plated	∅ 6.5 x 73	Cu	2000	Cu + PVC	20

SPECIAL VERSION FOR FRYER MACHINES - WITH G 1/4 CONNECTOR

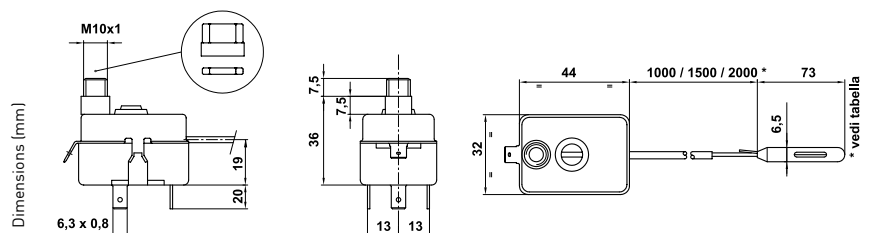
973-2X227-02A *	235 °C		Gold-plated	∅ 5 x 95	SST	1000	SST	50
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* available upon request

- Failsafe function not available on code 973-2X227-02A
- "Compensated" versions available upon request
- Contact Rating 16 (4) A 250Vac
- Gold-plated contacts 100mV 0.3A



CE 0497



TG400 - Limit thermostats with screwdriver adjustment and manual reset



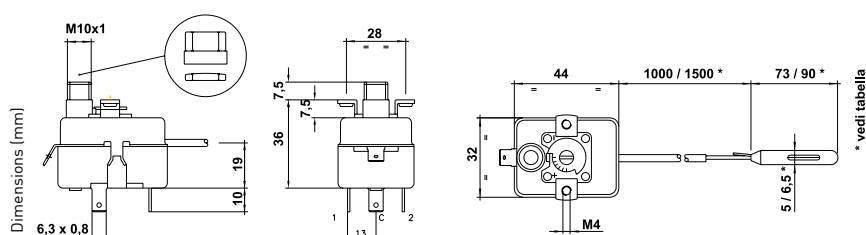
- "Compensated" versions available upon request
- Contact rating 16 (4) A 250Vac
- Gold-plated contacts 100mV 0.3A



CE0497

CODE	TEMPERATURE RANGE	CONTACTS		BULB		CAPILLARY		PACK QTY
		ON/OFF	ON/OFF + service	dimensions mm	material	mm	material	
961-11228-00A *	90 ÷ 110 °C	•		Ø 6.5 x 73	Cu	1000	Cu + PVC	50
961-11328-00A	90 ÷ 110 °C		•	Ø 6.5 x 73	Cu	1000	Cu + PVC	50
961-11338-VOA	90 ÷ 110 °C		•	Ø 6.5 x 73	Cu	1500	Cu + PVC	20
961-11338-00A	90 ÷ 110 °C		•	Ø 6.5 x 73	Cu	1500	Cu + PVC	50
963-11328-VOA *	90 ÷ 110 °C		Gold-plated	Ø 6.5 x 73	Cu	1000	Cu + PVC	20
963-11338-00A	90 ÷ 110 °C		Gold-plated	Ø 6.5 x 73	Cu	1500	Cu + PVC	20
963-11338-03A	70 ÷ 110 °C		Gold-plated	Ø 5 x 90	Cu	1500	Cu + PVC	20
961-90328-00A *	70 ÷ 90 °C		•	Ø 6.5 x 73	Cu	1000	Cu + PVC	50
961-90338-00A *	70 ÷ 90 °C		•	Ø 6.5 x 73	Cu	1500	Cu + PVC	50
963-90328-00A *	70 ÷ 90 °C		Gold-plated	Ø 6.5 x 73	Cu	1000	Cu + PVC	50
963-90338-00A	70 ÷ 90 °C		Gold-plated	Ø 6.5 x 73	Cu	1500	Cu + PVC	20
FAILSAFE LIMITER WITH WASHER AND BULB LOCKING PLATE								
961-11338-20B *	70 ÷ 110 °C		•	Ø 5 x 90	Cu	1500	Cu + PVC	50
963-11338-20B *	70 ÷ 110 °C		Gold-plated	Ø 5 x 90	Cu	1500	Cu + PVC	50

* available upon request



TG400 - Limit thermostat with fixed calibration without failsafe function

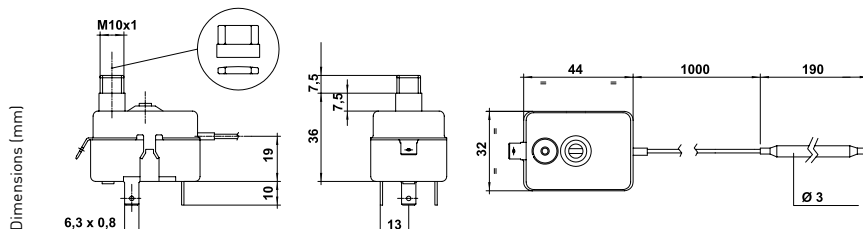


- Contact rating 16(4)A 250Vac



CODE	TEMPERATURE RANGE	RESET	CONTACTS		BULB		CAPILLARY		PACK QTY
			ON/OFF	ON/OFF + service	dimensions mm	material	mm	material	
991-30327-00A *	300 °C	manual		•	Ø 3 x 190	SST	1000	SST	20

* available upon request



TG400 - Limit thermostats with fixed calibration and failsafe function

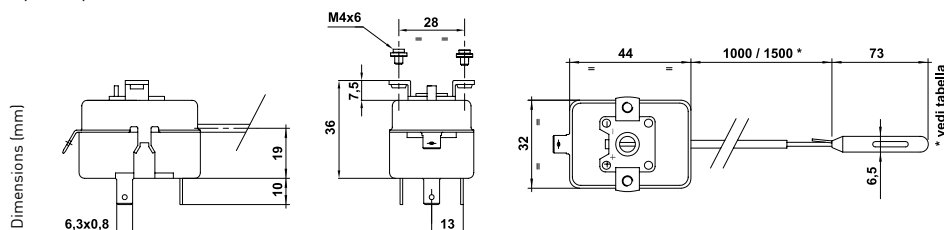


- Contact rating 16(4)A 250Vac
- Gold-plated contacts 100mV 0.3A
- Code 972-80358-20A for smokes



CODE	TEMPERATURE RANGE	RESET	CONTACTS		BULB		CAPILLARY		PACK QTY
			ON/OFF	ON/OFF + service	dimensions mm	material	mm	material	
972-80358-20A	80 °C	automatic		•	Ø 5x90	Cu	2500	Cu + PVC	20
972-99328-00A *	100 °C	automatic		•	Ø 6.5x73	Cu	1000	Cu + PVC	20
972-99338-00A *	100 °C	automatic		•	Ø 6.5x73	Cu	1500	Cu + PVC	50
974-99238-00A	100 °C	automatic		Gold-plated	Ø 6.5x73	Cu	1500	Cu + PVC	50
974-99328-00A *	100 °C	automatic		Gold-plated	Ø 6.5x73	Cu	1000	Cu + PVC	20
974-99338-00A *	100 °C	automatic		Gold-plated	Ø 6.5x73	Cu	1500	Cu + PVC	20

* available upon request



TG400 - Limit thermostats with automatic reset and failsafe function



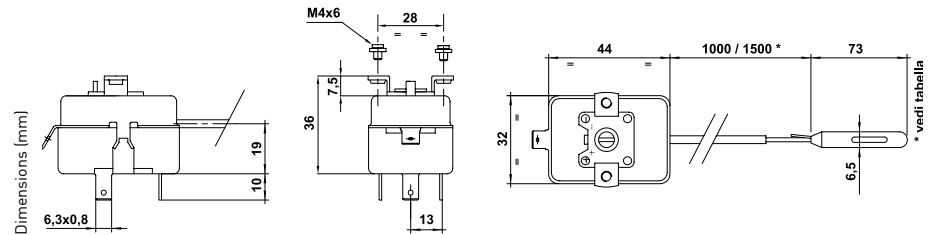
- "Compensated" versions available upon request
- Contact rating 16(4)A 250Vac
- Gold-plated contacts 100mV 0.3A



CE 0497

CODE	TEMPERATURE RANGE	CONTACTS		BULB		CAPILLARY		PACK QTY
		ON/OFF	ON/OFF + service	mm	material	mm	material	
962-11228-00A	90 ÷ 110 °C	•		∅ 6.5x73	Cu	1000	Cu + PVC	50
962-11238-00A	90 ÷ 110 °C	•		∅ 6.5x73	Cu	1500	Cu + PVC	50
962-11328-00A *	90 ÷ 110 °C		•	∅ 6.5x73	Cu	1000	Cu + PVC	20
962-11338-00A *	90 ÷ 110 °C		•	∅ 6.5x73	Cu	1500	Cu + PVC	50
964-11238-00A	90 ÷ 110 °C	Gold-plated		∅ 6.5x73	Cu	1500	Cu + PVC	20
964-11328-00A *	90 ÷ 110 °C		Gold-plated	∅ 6.5x73	Cu	1000	Cu + PVC	20
964-11338-00A *	90 ÷ 110 °C		Gold-plated	∅ 6.5x73	Cu	1500	Cu + PVC	20

* available upon request



TG400 - Limit thermostats with compensation



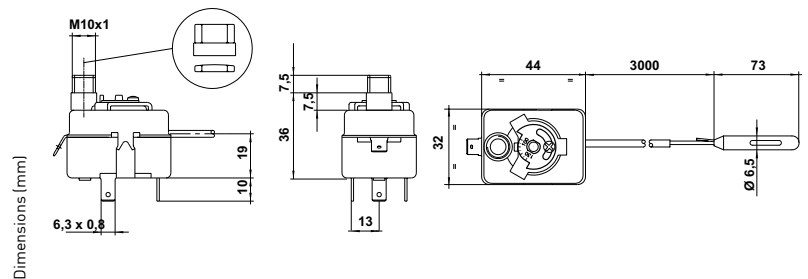
- Contact rating 16(4)A 250Vac



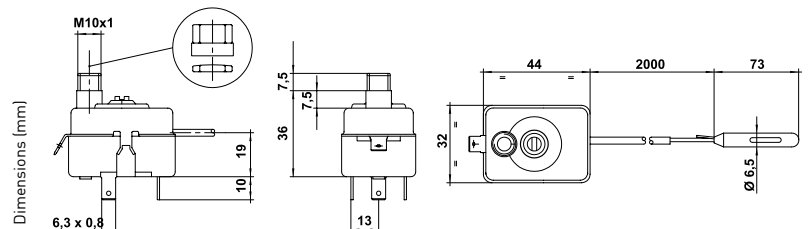
CE 0497

CODE	TEMPERATURE RANGE	TYPE OF ADJUSTMENT/CALIBRATION		CONTACTS		BULB	CAPILLARY		PACK QTY
		screwdriver	fixed	ON/OFF	ON/OFF + service		mm	mm	
975-11348-00A *	110 °C		•	•		∅ 6.5 x 73 Cu	2000	Cu + PVC	50
965-13368-02A *	100 ÷ 130 °C	•		•		∅ 6.5 x 73 Cu	3000	Cu + PVC	50

* available upon request



■ 965



■ 975

TG500 - Compact limit thermostats with manual reset



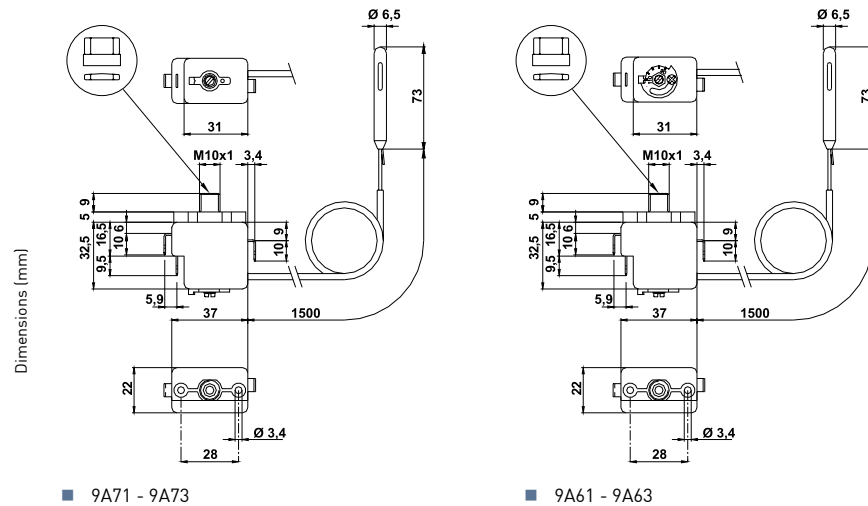
- Contact rating 16 (4) A 250Vac
- Gold-plated contacts 100mV 0.3A
- Failsafe function



CE0497

CODE	TEMPERATURE RANGE	TYPE OF ADJUSTMENT/CALIBRATION		CONTACTS	BULB	CAPILLARY		PACK QTY
		screwdriver	fixed			mm	mm	
9A71-11338-01A	110 °C	•	•	•	∅ 6,5 x 78	1500	Cu + PVC	50
9A71-99338-00B *	100 °C	•	•	•				50
9A73-99338-00A *	100 °C	•	•	Gold-plated				50
9A61-11338-00A *	90 ÷ 110 °C	•	•	•	∅ 6,5 x 73	1500	Cu + PVC	50
9A63-11338-00A *	90 ÷ 110 °C	•	•	Gold-plated	Cu			50
9A61-90338-00A *	70 ÷ 90 °C	•	•	•				50
9A63-90338-00A *	70 ÷ 90 °C	•	•	Gold-plated				50

* available upon request



Bimetallic disc thermostats



- 200mm cable and fastening spring included for the code 7V6-42200-00A



CODE	OPENING CONTACT TEMPERATURE	CLOSING CONTACT TEMPERATURE	CONTACT				FASTON TERMINALS	PACK QTY
			Gold-plated	silver plated	norm. closed	norm. open		
7M8-11210-00A	110 °C	95 °C	•	•	•	vertical	20	
7M6-80210-00A *	80 °C	65 °C	•	•	•	horizontal	20	
7M6-90210-00A *	90 °C	75 °C	•	•	•	horizontal	20	
7M6-99210-00A *	100 °C	85 °C	•	•	•	horizontal	20	
7M6-11210-00A *	110 °C	95 °C	•	•	•	horizontal	20	
7M6-80200-00A *	65 °C	80 °C	•	•	•	horizontal	20	
7M6-42200-00A	31 °C	42 °C	•	•	•	vertical	20	
7V6-42200-00A	31 °C	42 °C	•	•	•	vertical	20	

4555-41-1A * Fastening spring for bimetallic disc thermostats - 30mm length - 110mm extension

* available upon request

ELECTRONIC THERMOSTATS THERMOMETERS AND HYGROSTATS

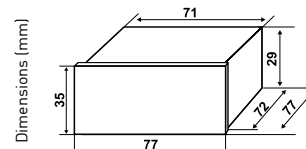
ON/OFF - P.I.D. thermostats with 1 or 2 outputs and temperature alarm management



- Flush-mounting
- Resolution 0.1(-19.9÷99.9), 1



CODE	SENSOR	POWER SUPPLY	OUTPUTS NUM	TEMPERATURE RANGE	SENSOR PRECISION
L02AI2B	1 sensor NTC 10K* LS130 included	12Vac/dc	2	-40 ÷ 105 °C	±0.3°C (-40÷100), ±1°C
L02AM2	1 sensor NTC 10K* LS130 included	115÷230Vac 50Hz	2	-40 ÷ 105 °C	±0.3°C (-40÷100), ±1°C
L02CI1B	1 sensor PT 100 LS140 excluded	12Vac/dc	1	0 ÷ 400 °C	±0.3°C (-50÷150), ±1°C
L02CI2B	1 sensor PT 100 LS140 excluded	12Vac/dc	2	0 ÷ 400 °C	±0.3°C (-50÷150), ±1°C
L02CM1A	1 sensor PT 100 LS140 excluded	115÷230Vac 50Hz	1	0 ÷ 400 °C	±0.3°C (-50÷150), ±1°C
L02CM2	1 sensor PT 100 LS140 excluded	115÷230Vac 50Hz	2	0 ÷ 400 °C	±0.3°C (-50÷150), ±1°C
L02DI1B	1 thermocouple J LS150 excluded	12Vac/dc	1	0 ÷ 450 °C	±3°C
L02DI2B	1 thermocouple J LS150 excluded	12Vac/dc	2	0 ÷ 450 °C	±3°C
L02DM1	1 thermocouple J LS150 excluded	115÷230Vac 50Hz	1	0 ÷ 450 °C	±3°C
L02DM2	1 thermocouple J LS150 excluded	115÷230Vac 50Hz	2	0 ÷ 450 °C	±3°C
L02BI1A	1 sensor NTC 10K LS130 included	12Vac/dc	1	-40 ÷ 105 °C	±0.3°C (-40÷100), ±1°C
L02BM1A	1 sensor NTC 10K LS130 included	230Vac 50Hz	1	-40 ÷ 105 °C	±0.3°C (-40÷100), ±1°C
LT312U	Power supply transformer 230/12V 50/60Hz 3VA				



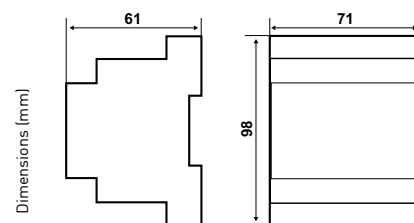
ON/OFF - P.I.D. thermostats with 1 or 2 outputs and temperature alarm management



- DIN rail mounting
- Resolution 0.1(-19.9÷99.9), 1 °C



CODE	SENSOR	POWER SUPPLY	OUTPUTS NUM	TEMPERATURE RANGE	SENSOR PRECISION
L03BI1A	1 sensor NTC 10K LS130 included	12Vac / 7..30Vdc	1	-40 ÷ 105	±0.3°C (-40÷100), ±1°C
L03BI2A	1 sensor NTC 10K LS130 included	±10%, 3W	2	-40 ÷ 105	±0.3°C (-40÷100), ±1°C
L03BM1B	1 sensor NTC 10K LS130 included	230Vac±10%,	1	-40 ÷ 105	±0.3°C (-40÷100), ±1°C
L03BM2B	1 sensor NTC 10K LS130 included	50/60Hz, 3W	2	-40 ÷ 105	±0.3°C (-40÷100), ±1°C
LT312U	Power supply transformer 230/12V 50/60Hz 3VA				



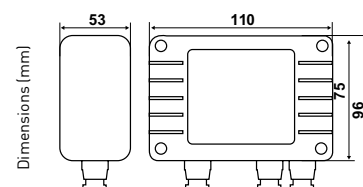
ON/OFF thermostat with 2 outputs



- Wall mounting
- Resolution 0.1(-19.9÷99.9 °C), 1 for the rest of range



CODE	SENSOR	POWER SUPPLY	OUTPUTS NUM	TEMPERATURE RANGE	SENSOR PRECISION
L04BM2A	1 sensor NTC 10K LS130 included	230Vac	2	-40 ÷ 105 °C	±0.3°C (-40÷100), ±1°C



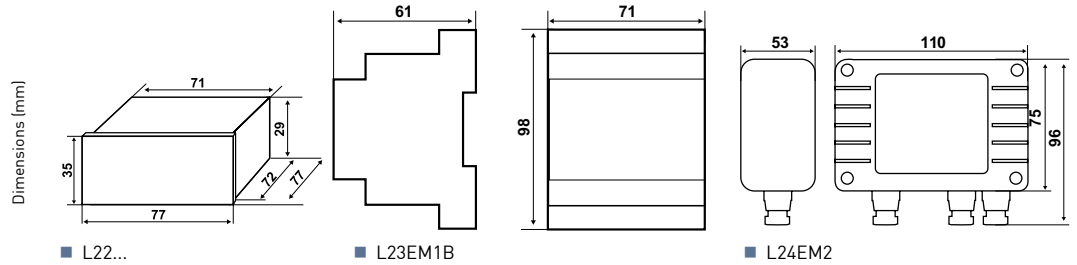
Hygrostats



- Measurement accuracy (0÷100 %RH) ± 0.7 %RH
- Measurement range 0 ÷ 100 %RH
- Resolution 1 %RH



CODE	SENSOR	MOUNTING	POWER SUPPLY	OUTPUTS NUM	PROTECTION RATING
L22E1A	1 sensor LS160A excluded	Flush-mounting	12Vac/dc	1	IP55
L22EM1A	1 sensor LS160A excluded	Flush-mounting	230Vac	1	IP55
L23EM1B	1 sensor LS160A excluded	DIN rail	230Vac $\pm 10\%$, 50/60Hz, 3W	1	IP40 back panel
L24EM2	1 sensor LS160A excluded	Wall mounting	230Vac	2	IP55



Temperature and humidity sensors



CODE	MEASUREMENT RANGE	PRECISION K	TIP mm	PROTECTION RATING	CONDUCTORS mm ²
LS140 (PT100)	0 ÷ 400 °C	± 0.3 at 0 °C	\emptyset 6x160 steel AISI 316	IP65	3 x 0.2
LS150 (thermoc..J)	0 ÷ 450 °C	± 2.5 °C	\emptyset 6x160 steel AISI 316	IP65	2 x 0.5
LS130 (NTC10K)	-40 ÷ 105 °C	± 1.5 at 25 °C	\emptyset 6x34	IP67	2 x 0.4

CODE	MEASUREMENT RANGE %RH	PRECISION %RH	PROTECTION RATING
LS160A	0 ÷ 100%	$\pm 5\%$ RH (25%÷75% RH)	IP65

CAPILLARY THERMOMETERS

Thermometers with round dial

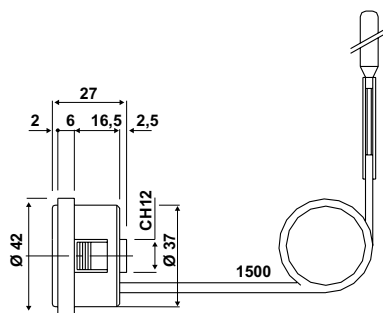


- Dial in white COLOUR.
- Font lettering: DIN.
- Fixing bracket available upon request for codes 110... and 150...
- Functional and artwork custom solutions are available.

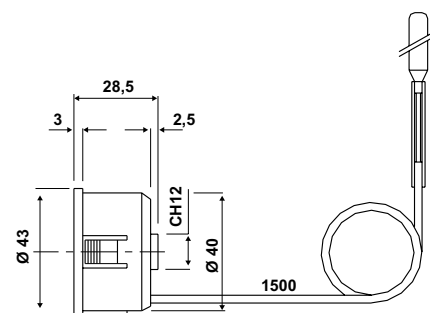


CODE	TEMPERATURE RANGE	DIAL	DIAL	LETTERING	FRAME	BULB	CAPILLARY		MOUNT. Ø	PACK QTY
							mm	material		
113-00326-00A *	-40 ÷ 40 °C	Ø 42	□	■ ■	□	Ø 8.5 x 30 Cu	1000	Cu + PVC	Ø 37	50
113-00335-00A *	-40 ÷ 40 °C	Ø 42	□	■ ■	■	Ø 8.5 x 30 Cu	1500	Cu + PVC	Ø 37	50
113-00336-00A *	-40 ÷ 40 °C	Ø 42	□	■ ■	□	Ø 8.5 x 30 Cu	1500	Cu + PVC	Ø 37	50
113-10125-00A	0 ÷ 120 °C	Ø 42	□	■	■	Ø 6.5 x 30 Cu	1000	Cu + PVC	Ø 37	50
113-10126-00A *	0 ÷ 120 °C	Ø 42	□	■	□	Ø 6.5 x 30 Cu	1000	Cu + PVC	Ø 37	50
113-10135-00A	0 ÷ 120 °C	Ø 42	□	■	■	Ø 6.5 x 30 Cu	1500	Cu + PVC	Ø 37	50
113-10136-00A *	0 ÷ 120 °C	Ø 42	□	■	□	Ø 6.5 x 30 Cu	1500	Cu + PVC	Ø 37	50
115-00326-00A *	-40 ÷ 40 °C	Ø 43	□	■ ■	□	Ø 8.5 x 30 Cu	1000	Cu + PVC	Ø 40	50
115-00336-00A *	-40 ÷ 40 °C	Ø 43	□	■ ■	□	Ø 8.5 x 30 Cu	1500	Cu + PVC	Ø 40	50
115-10025-00A *	0 ÷ 120 °C	Ø 43	■	□	■	Ø 6.5 x 30 Cu	1000	Cu + PVC	Ø 40	50
115-10035-00A *	0 ÷ 120 °C	Ø 43	■	□	■	Ø 6.5 x 30 Cu	1500	Cu + PVC	Ø 40	50
115-10126-00A *	0 ÷ 120 °C	Ø 43	□	■	□	Ø 6.5 x 30 Cu	1000	Cu + PVC	Ø 40	50
115-10135-00A *	0 ÷ 120 °C	Ø 43	□	■	■	Ø 6.5 x 30 Cu	1500	Cu + PVC	Ø 40	50
110-00326-00A *	-40 ÷ 40 °C	Ø 57	□	■ ■	□	Ø 8.5 x 30 Cu	1000	Cu + PVC	Ø 52	50
110-00335-00A *	-40 ÷ 40 °C	Ø 57	□	■ ■	■	Ø 8.5 x 30 Cu	1500	Cu + PVC	Ø 52	50
110-00336-00A	-40 ÷ 40	Ø 57	□	■ ■	□	Ø 8.5 x 30 Cu	1500	Cu + PVC	Ø 52	50
110-10025-00A	0 ÷ 120 °C	Ø 57	■	□	■	Ø 6.5 x 30 Cu	1000	Cu + PVC	Ø 52	50
110-10125-00A	0 ÷ 120 °C	Ø 57	□	■	■	Ø 6.5 x 30 Cu	1000	Cu + PVC	Ø 52	50
110-10126-00A *	0 ÷ 120 °C	Ø 57	□	■	□	Ø 6.5 x 30 Cu	1000	Cu + PVC	Ø 52	50
110-10135-00A	0 ÷ 120 °C	Ø 57	□	■	■	Ø 6.5 x 30 Cu	1500	Cu + PVC	Ø 52	50
110-10136-00A *	0 ÷ 120 °C	Ø 57	□	■	□	Ø 6.5 x 30 Cu	1500	Cu + PVC	Ø 52	50
110-40025-00A *	50 ÷ 350 °C	Ø 57	■	□	■	Ø 3 x 80 SST	1000	SST	Ø 52	50
110-40125-00A *	50 ÷ 350 °C	Ø 57	□	■	■	Ø 3 x 80 SST	1000	SST	Ø 52	50
110-40126-00A *	50 ÷ 350 °C	Ø 57	□	■	□	Ø 3 x 80 SST	1000	SST	Ø 52	50
110-40135-00A	50 ÷ 350 °C	Ø 57	□	■	■	Ø 3 x 80 SST	1500	SST	Ø 52	50
110-40136-00A *	50 ÷ 350 °C	Ø 57	□	■	□	Ø 3 x 80 SST	1500	SST	Ø 52	50

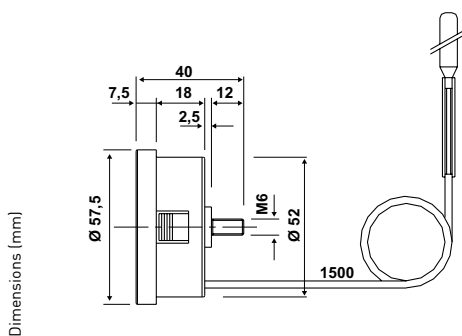
* available upon request



■ 113...



■ 115...



■ 110...

Thermometers with square dial

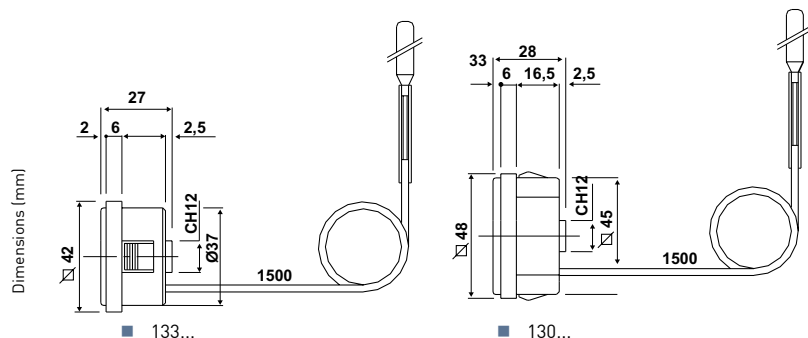


- Functional and artwork custom solutions are available.



CODE	TEMPERATURE RANGE	DIAL mm	LETTERING COLOUR	FRAME COLOUR	BULB mm	CAPILLARY		MOUNT. Ø mm	PACK QTY	
						mm	material			
133-00326-00A *	-40 ÷ 40 °C	42 x 42	■ ■	□	Ø 8.5 x 30	Cu	1000	Cu + PVC	Ø 37	50
133-00336-00A *	-40 ÷ 40 °C	48 x 48	■	□	Ø 8.5 x 30	Cu	1500	Cu + PVC	Ø 37	50
133-10035-00A *	0 ÷ 120 °C	42 x 42	■	■	Ø 6.5 x 30	Cu	1500	Cu + PVC	Ø 37	50
130-00326-00A *	0 ÷ 120 °C	48 x 48	■ ■	□	Ø 6.5 x 30	Cu	1000	Cu + PVC	45 x 45	50
130-00336-00A *	-40 ÷ 40 °C	48 x 48	■ ■	□	Ø 8.5 x 30	Cu	1500	Cu + PVC	45 x 45	50
130-10025-00A *	0 ÷ 120 °C	48 x 48	■	■	Ø 6.5 x 30	Cu	1000	Cu + PVC	45 x 45	50
130-10035-00A *	0 ÷ 120 °C	48 x 48	■	■	Ø 6.5 x 30	Cu	1500	Cu + PVC	45 x 45	50
130-10125-00A *	0 ÷ 120 °C	48 x 48	■	■	Ø 6.5 x 30	Cu	1000	Cu + PVC	45 x 45	50
130-10135-00A	0 ÷ 120 °C	48 x 48	■	■	Ø 6.5 x 30	Cu	1500	Cu + PVC	45 x 45	50

* available upon request



Thermometers with rectangular dial

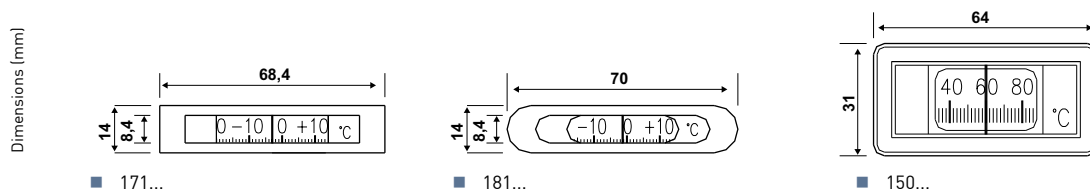


- Fixing bracket available upon request for codes 110... and 150...
- Functional and artwork custom solutions are available.



CODE	TEMPERATURE RANGE	DIAL mm	LETTERING COLOUR	FRAME COLOUR	BULB mm	CAPILLARY		MOUNT. Ø mm	PACK QTY	
						mm	material			
171-05326-00A *	-40 ÷ 40 °C	14 x 68	■ ■	□	Ø 8.5 x 30	Cu	1000	Cu + PVC	11 x 62	10
171-05336-00A *	-40 ÷ 40 °C	14 x 68	■ ■	□	Ø 8.5 x 30	Cu	1500	Cu + PVC	11 x 62	50
171-10125-00A *	0 ÷ 120 °C	14 x 68	■	■	Ø 6.5 x 30	Cu	1000	Cu + PVC	11 x 62	100
171-10135-00A	0 ÷ 120 °C	14 x 68	■	■	Ø 6.5 x 30	Cu	1500	Cu + PVC	11 x 62	50
171-17126-00A *	0 ÷ 120 °C	14 x 68	■ vertical	□	Ø 6.5 x 30	Cu	1000	Cu + PVC	11 x 62	100
181-05326-00A *	-40 ÷ 40 °C	14 x 70	■ ■	□	Ø 8.5 x 30	Cu	1000	Cu + PVC	11 x 62	100
181-05336-00A *	-40 ÷ 40 °C	14 x 70	■ ■	□	Ø 8.5 x 30	Cu	1500	Cu + PVC	11 x 62	50
181-10125-00A *	0 ÷ 120 °C	14 x 70	■	■	Ø 6.5 x 30	Cu	1000	Cu + PVC	11 x 62	100
181-10126-00A *	0 ÷ 120 °C	14 x 70	■	□	Ø 6.5 x 30	Cu	1000	Cu + PVC	11 x 62	100
181-10135-00A	0 ÷ 120 °C	14 x 70	■	■	Ø 6.5 x 30	Cu	1500	Cu + PVC	11 x 62	50
181-17126-00A *	0 ÷ 120 °C	14 x 70	■ vertical	□	Ø 6.5 x 30	Cu	1000	Cu + PVC	11 x 62	50
150-00335-00A *	-40 ÷ 40 °C	31 x 64	■ ■	■	Ø 8.5 x 30	Cu	1500	Cu + PVC	25 x 58	50
150-05326-00A *	-40 ÷ 40 °C	31 x 64	■ ■	□	Ø 8.5 x 30	Cu	1000	Cu + PVC	25 x 58	50
150-05336-00A *	-40 ÷ 40 °C	31 x 64	■ ■	□	Ø 8.5 x 30	Cu	1500	Cu + PVC	25 x 58	50
150-10035-00A	0 ÷ 120 °C	31 x 64	■	■	Ø 6.5 x 30	Cu	1500	Cu + PVC	25 x 58	50
150-10045-00A	0 ÷ 120 °C	31 x 64	■	■	Ø 6.5 x 30	Cu	2000	Cu + PVC	25 x 58	50
150-10125-00A *	0 ÷ 120 °C	31 x 64	■	■	Ø 6.5 x 30	Cu	1000	Cu + PVC	25 x 58	50
150-10135-00A	0 ÷ 120 °C	31 x 64	■	■	Ø 6.5 x 30	Cu	1500	Cu + PVC	25 x 58	50
150-17025-00A *	0 ÷ 120 °C	31 x 64	■ vertical	■	Ø 6.5 x 30	Cu	1000	Cu + PVC	25 x 58	50

* available upon request



BIMETALLIC THERMOMETERS

Bimetallic thermometers



- Sensing element: bimetallic spiral
- Class precision 2 (according to DIN 16203)
- Brass sheath with PTFE sealing gasket
- G 1/2 B connection

CODE	CONNECTION POSITION	DIAL		RANGE °C	CASING	POINTER	STEM LENGTH mm	PACK QTY
		mm	material					
1A3-10112-00A	radial	80	Al	0 ÷ 120	ABS	Al	45	20
1A3-10105-00A	radial	80	Al	0 ÷ 120	ABS	Al	100	20
1A4-20101-00A	rear	80	ABS	-20 ÷ 60	ABS	ABS	40	20
1A4-20105-00A	rear	80	ABS	-20 ÷ 60	ABS	ABS	100	20
1A4-10101-00A	rear	80	ABS	0 ÷ 120	ABS	ABS	40	20
1A4-10105-00A	rear	80	ABS	0 ÷ 120	ABS	ABS	100	20
1B2-10000-00A *	bracelet type	63	Al	0 ÷ 120	SST	ABS	-	20

* available upon request



GLASS THERMOMETERS

Glass thermometers



CODE	RANGE	ACCURACY CLASS	WIDTH mm	STEM LENGTH mm	CONNECTION POSITION	PACK QTY
1C8-12121-00A *	0 ÷ 120 °C	1.6	150	40	vertical	20
1C9-12121-00A *					horizontal	20

* available upon request

- Thermometric element: liquid expansion bulb
- Casing in anodized aluminium, brass COLOUR
- G 1/2 B connection



CAPILLARY THERMOMANOMETERS

Thermomanometers with round dial



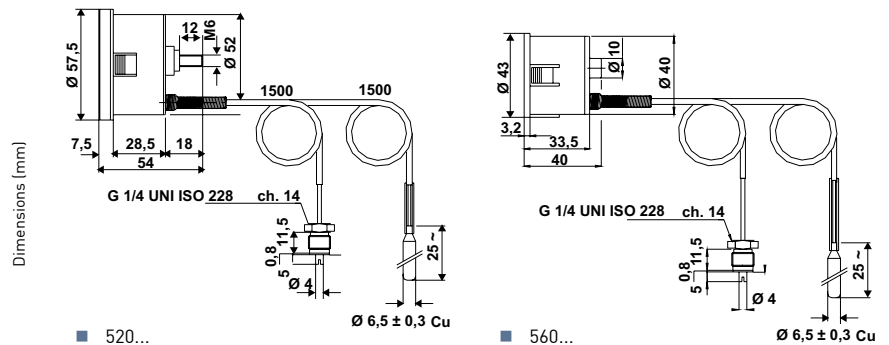
- 560-70125-50A
- 520-87025-51A

- Bulb in Cu \varnothing 6.5 x 30
- Fixing bracket available upon request only for codes: 520...
- Functional and artwork custom solutions are available



CODE	RANGE bar / °C	DIAL COLOUR / mm	LETTERING COLOUR	FRAME COLOUR	CONNECTION	CAPILLARY		MOUNT. \varnothing mm	PACK QTY
						mm	material		
560-70035-00A *	0 ÷ 4 bar 0 ÷ 120°C	■ \varnothing 43	□	■	G 1/4	1500	Cu + PVC grey	\varnothing 40	50
560-70125-00A	0 ÷ 4 bar 0 ÷ 120°C	□ \varnothing 43	■	■	G 1/4	1000	Cu + PVC grey	\varnothing 40	50
560-70126-00A	0 ÷ 4 bar 0 ÷ 120°C	□ \varnothing 43	■	□	G 1/4	1000	Cu + PVC grey	\varnothing 40	50
560-70135-00A	0 ÷ 4 bar 0 ÷ 120°C	□ \varnothing 43	■	■	G 1/4	1500	Cu + PVC grey	\varnothing 40	50
560-70136-00A	0 ÷ 4 bar 0 ÷ 120°C	□ \varnothing 43	■	□	G 1/4	1500	Cu + PVC grey	\varnothing 40	50
560-80135-00A *	0 ÷ 6 bar 0 ÷ 120°C	□ \varnothing 43	■	■	G 1/4	1500	Cu + PVC grey	\varnothing 40	50
560-70125-50A *	0 ÷ 4 bar 0 ÷ 120°C	□ \varnothing 43	■	■	G 1/4	1000	Polythene	\varnothing 40	50
520-70135-00A	0 ÷ 4 bar 0 ÷ 120°C	□ \varnothing 57	■	■	G 1/4	1500	Cu + PVC grey	\varnothing 52	50
520-70136-00A *	0 ÷ 4 bar 0 ÷ 120°C	□ \varnothing 57	■	□	G 1/4	1500	Cu + PVC grey	\varnothing 52	50
520-70125-00A *	0 ÷ 4 bar 0 ÷ 120°C	□ \varnothing 57	■	■	G 1/4	1000	Cu + PVC grey	\varnothing 52	50
520-70126-00A *	0 ÷ 4 bar 0 ÷ 120°C	□ \varnothing 57	■	□	G 1/4	1000	Cu + PVC grey	\varnothing 52	50
520-70025-00A *	0 ÷ 4 bar 0 ÷ 120°C	■ \varnothing 57	□	■	G 1/4	1000	Cu + PVC grey	\varnothing 52	50
520-80135-00A *	0 ÷ 6 bar 0 ÷ 120°C	□ \varnothing 57	■	■	G 1/4	1500	Cu + PVC grey	\varnothing 52	50
522-80125-00A *	0 ÷ 6 bar 0 ÷ 120°C	□ \varnothing 57	■	■	M14x1 special	1000	Cu + PVC grey	\varnothing 52	50
520-87025-51A *	0 ÷ 90 psi (0÷6 bar) 0 ÷ 120°C (40÷240°F)	■ \varnothing 57	□	■	G 1/4	1000	Polythene	\varnothing 52	50

* available upon request



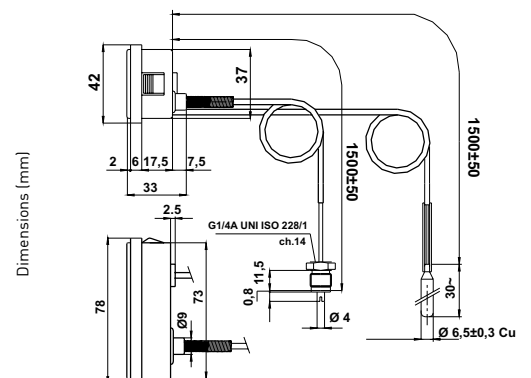
Thermomanometers with rectangular dial



- Bulb in Cu \varnothing 6.5 x 30.
- Functional and artwork custom solutions are available.



CODE	RANGE bar/°C	DIAL COLOUR / mm	LETTERING COLOUR	FRAME COLOUR	CONNECTION	CAPILLARY		MOUNT. \varnothing mm	PACK QTY
						mm	material		
540-70135-00A	0 ÷ 4 bar 0 ÷ 120°C	□ 78 x 42	■	■	G 1/4	1500	Cu + PVC grey	73 x 37	40
540-80135-00A	0 ÷ 6 bar 0 ÷ 120°C	□ 78 x 42	■	■	G 1/4	1500	Cu + PVC grey	73 x 37	40



ACCESSORIES

Copper sheath for C0 thermostat series



CODE	DESCRIPTION
G23	Sealing plug Gc 1/2, PN10 bar, without sheat
G25	Copper sheath Gc 3/8 PN10 bar, length 220 mm, Ø 8mm
G27	Copper sheath Gc 1/2 PN10 bar, length 145mm, Ø 8mm
G28	Copper sheath Gc 1/2 PN10 bar, length 177 mm, complete with spring for capillary fixing
G30	Copper sheath Gc 1/2 PN10 bar, length 100mm, Ø 8mm
G31	Copper sheath Gc 1/2 PN10, length 100mm, for C07

Knobs and rings for C02 thermostat series



CODE	DESCRIPTION
2554972	thermoplastic adjustment knob ring
2754975	stainless steel adjustment knob ring
2724259	adjustment knob for C02A3
2724260	adjustment knob for C02B3
2723094	adjustment knob for C02C2
2723095	adjustment knob for C02D2
2724261	adjustment knob for C02E3
2723856	adjustment knob for C02F
5677050	temperature range limiting group, to be applied to the knobs

Cable gland for C0 thermostat series



CODE	DESCRIPTION
303298LA	G1/2 cable gland in shockproof and self-extinguishing V0 thermoplastic for connection output

Copper sheaths with brass connection for TG thermostat series



CODE	BULB N.	INTERNAL Ø mm	EXTERNAL Ø mm	LENGTH mm	SHAPED	MALE CONNECTION	PACK QTY
4550-46-0A	1 x Ø 6.5 mm	7	8	100	no	1/2 - 14 NPT	20
4550-46-2A	1 x Ø 6.5 mm	7	8	50	no	1/2 - 14 NPT	20
4550-46-3A	1 x Ø 6.5 mm	7	8	120	no	1/2 - 14 NPT	20
4550-46-4A *	1 x Ø 6.5 mm	7	8	150	no	1/2 - 14 NPT	20
4550-46-6A	1 x Ø 6.5 mm	7	8	200	no	1/2 - 14 NPT	20
4550-30-0A *	1 x Ø 8.5 mm	8.5	10	50	no	1/2 - 14 NPT	20
4550-30-1A	1 x Ø 8.5 mm	8.5	10	100	no	1/2 - 14 NPT	20
4550-30-2A *	1 x Ø 8.5 mm	8.5	10	120	no	1/2 - 14 NPT	20
4550-30-3A	1 x Ø 8.5 mm	8.5	10	150	no	1/2 - 14 NPT	20
4550-30-4A	1 x Ø 8.5 mm	8.5	10	200	no	1/2 - 14 NPT	20
4550-40-0A	3 x Ø 6.5 mm	15	16	100	no	1/2 - 14 NPT	20
4550-40-2A	3 x Ø 6.5 mm	15	16	200	no	1/2 - 14 NPT	20
4550-40-3A *	3 x Ø 6.5 mm	15	16	120	no	1/2 - 14 NPT	20
4550-40-4A	3 x Ø 6.5 mm	15	16	150	no	1/2 - 14 NPT	20
4550-37-0A	3 x Ø 6.5 mm	15	16	150	yes	R 1/2 - DIN 2999	20
4550-37-1A *	3 x Ø 6.5 mm	15	16	120	yes	R 1/2 - DIN 2999	20
4550-37-2A *	3 x Ø 6.5 mm	15	16	100	yes	R 1/2 - DIN 2999	20
4550-37-6A *	3 x Ø 6.5 mm	15	16	200	yes	R 1/2 - DIN 2999	20
4555-25-2A	Wavy friction spring for sheaths Ø 15/16mm L=100 used with 2 bulbs 20 0.66						20
4555-20-0A	Capillary fixing spring for TG200/TG400 thermostats and capillary thermometers						20

* available upon request

Knobs and rings for TG thermostat series



CODE	SPARE / ACCESSORY	SILKSCREENED RANGE	PLASTIC COLOUR	LETTERING COLOUR	PACK QTY
6960-01-4A		-35 ÷ 35 °C			20
6960-02-4A		0 ÷ 40 °C			20
6960-03-4A		0 ÷ 90 °C			20
6960-04-4A *		40 ÷ 90 °C			20
6960-05-4A		0 ÷ 120 °C			20
6960-09-4A *	Knob	0 ÷ 90 °C	black	white	20
6960-19-4B		0 ÷ 210 °C			20
6960-07-4A		0 ÷ 300 °C			20
6962-00-4A		band			20
6963-03-4A		with index			20
6960-10-4A		OFF ÷ 150 °C			20
4550-50-0B		-	black	-	20
4550-52-0A	Ring	-	chromed	-	20
4555-40-0B	Knob stop spring	-	-	-	20
4550-80-0A	Knob stop	-	-	-	20

* available upon request

Accessories for capillary thermometers and thermomanometers, TG series



CODE	DESCRIPTION	PACK QTY
4553-61-1B *	Female connector with longitudinal groove M14x1 F CH17	20
4553-62-0B *	Male connector with longitudinal groove M14x1 M CH14	20
4700-00-1A	Check valve 1/2 - 14NPT connections x G 1/4 female CH21	20
4700-01-8A *	Check valve 1/2 - 14NPT connections x M14X1 female CH21	20
4700-10-9A	Check valve R 1/4 male x G 1/4 female connections CH17	20
4550-20-7A	Bracket 520 for thermomanometers series 520	20
4550-10-8A *	Bracket 110 for thermometers series 110 and pressure gauges series 320	20
4550-15-7A	Bracket 150 for thermometers series 150	20
4550-01-1A	M6 pin for bracket fixing	20

* available upon request

Multipurpose thermocouples, TG series



CODE	TYPE	CABLE LENGTH mm	5 CONNECTORS INCLUDED	PACK QTY
5920-02-0A	Multipurpose	900	yes	20
5930-02-0A *	Multipurpose interrupted without thermostat			20

* available upon request

Fixing spring for bimetallic thermostats, TG series



CODE	DESCRIPTION	PACK QTY
4555-41-1A *	30mm length - 110mm extension	20

* available upon request



LIQUID
FLOW SWITCHES

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AIR
FLOW SWITCHES

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IP54

Protection rating
IP54

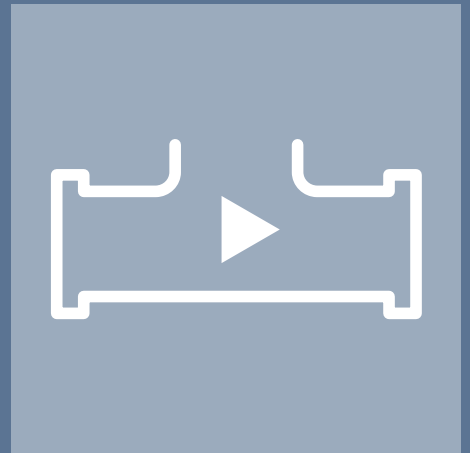
IP65

Protection rating
IP65

10 bar

Maximum operating
pressure 10 bar

FLOW SWITCHES



LIQUID FLOW SWITCHES

Liquid flow switches with stainless steel paddle



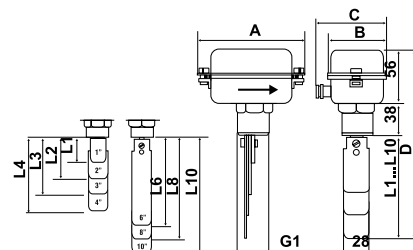
CODE	PIPE DIAMETER	MINIMUM CALIBRATION VALUE (dm ³ /sec) WITH FLOW IN:		MAXIMUM CALIBRATION VALUE (dm ³ /sec) WITH FLOW IN:		PROTECTION RATING
		INCREASING	DECREASING	INCREASING	DECREASING	
FF81	G 1	0.26	0.16	0.58	0.53	IP54
	G 2	0.8	0.6	1.6	1.7	IP54
	G 3	1.7	1.2	3.2	3	IP54
	G 4	2.2	1.7	5.1	4.8	IP54
FF84	G 1	0.26	0.16	0.58	0.53	IP54
	G 2	0.8	0.6	1.6	1.7	IP54
	G 3	1.7	1.2	3.2	3	IP54
	G 4	2.2	1.7	5.1	4.8	IP54
	G 6	4.7	3.4	9	8.5	IP54
	G 8	12.9	10.7	26	25.2	IP54
	G 10	26.5	22	43.5	41	IP54

- With stainless steel casing and paddles
- Operating temperature -20÷110°C

IP54 10 bar

	FF81	FF84
A	105	98
B	62	54
C	80	72
D	204	354
L1	28	
L2	53	
L3	78	
L4	103	
L6		153
L8		203
L10		253

Dimensions (mm)



Liquid flow switches with plastic casing and paddle



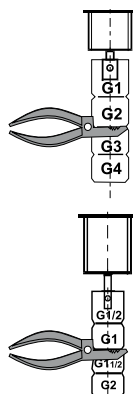
CODE	PIPE DIAMETER	MINIMUM CALIBRATION VALUE (dm ³ /sec) WITH FLOW IN:		MAXIMUM CALIBRATION VALUE (dm ³ /sec) WITH FLOW IN:		PROTECTION RATING
		INCREASING	DECREASING	INCREASING	DECREASING	
FF81P	G 1	0.26	0.16	0.58	0.53	IP54
	G 2	0.87	0.65	1.65	1.74	IP54
	G 3	1.85	1.3	3.49	3.27	IP54
	G 4	2.39	1.85	5.56	5.23	IP54
FF91P	G 1/2	0.13	0.08	0.29	0.26	IP54
	G 1	0.26	0.16	0.58	0.53	IP54
	G 1 1/2	0.39	0.24	0.87	0.79	IP54
	G 2	0.8	0.6	1.7	1.6	IP54

- With plastic casing and paddles
- Operating temperature 0 ÷ 100°C

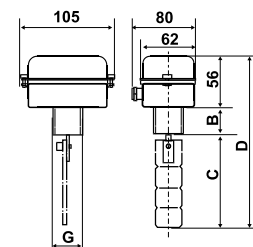
IP54 10 bar

FF81P paddle dimensions	
G1	35
G2	60
G3	90
G4	110

FF91P paddle dimensions	
G1/2	17
G1	35
G1 1/2	52
G2	60



	FF81P	FF91P
B	38	27
C	110	60
D	204	143
G	G1	G1/2



Liquid flow switch with plastic casing and stainless steel paddle



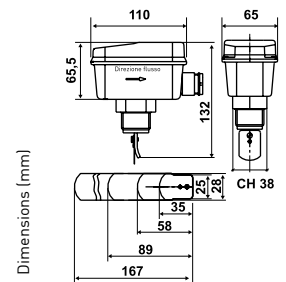
CODE	PIPE DIAMETER	PADDLE LENGTH mm	MINIMUM CALIBRATION VALUE (m ³ /h) WITH FLOW IN:		MAXIMUM CALIBRATION VALUE (m ³ /h) WITH FLOW IN:	
			INCREASING	DECREASING	INCREASING	DECREASING
FF82	G 1	35	1	0.5	2	1.9
	G 1 1/4	35	1.2	0.7	2.9	2.7
	G 1 1/2	58	1.6	1	3.9	3.6
	G 2	58	2.9	2.1	6.1	5.7
	G 2 1/2	89	4	2.7	7	6.5
	G 3	89	6.1	4.3	11.4	10.7
	G 4 *	89	14.7	11.3	28.9	27.6
		167	7.9	6.1	18.4	17.3
	G 5 *	89	28.3	22.8	55.5	53
		167	12.8	9.2	26.7	25
G 6 *	89	43	35.8	85	81.6	
	167	16.8	12.2	32.5	30.5	
G 8 *	89	85	72.4	172.3	165.5	
	167	46.4	38.5	94	90.7	

* These values are obtained by adding the longer paddle

- With plastic casing and stainless steel paddle
- Operating temperature -20 ÷ 110 °C

IP65

10 bar



AIR FLOW SWITCHES

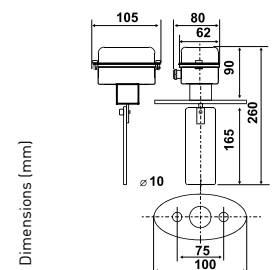
Air flow switch with stainless steel paddle



CODE	MIN TRIP VALUE		MIN SETPOINT VALUE		MAX TRIP VALUE		MAX SETPOINT VALUE	
	C-NO opens	C-NC closes	C-NC opens	C-NO closes	C-NO opens	C-NC closes	C-NC opens	C-NO closes
FF71A	2.5 m/sec		3.1 m/sec		6.4 m/sec		7 m/sec	

- Flexible paddle in AISI 301 stainless steel
- PVC flange
- The data in the table refer to a conducted surface of approx 320cm²

IP54





DIRECT-ACTING
SOLENOID VALVES

PAGE 192



INDIRECT SERVO-ASSISTED
SOLENOID VALVES

PAGE 192



Suitable for water, air, inert gases and non-corrosive fluids of copper alloys with viscosity up to 2° Engler



2-way version



Closing time 10 msec.



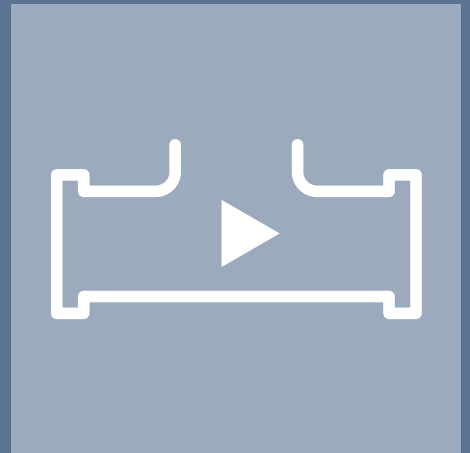
Protection rating
IP65



SOLENOID VALVE COILS

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SOLENOID VALVES



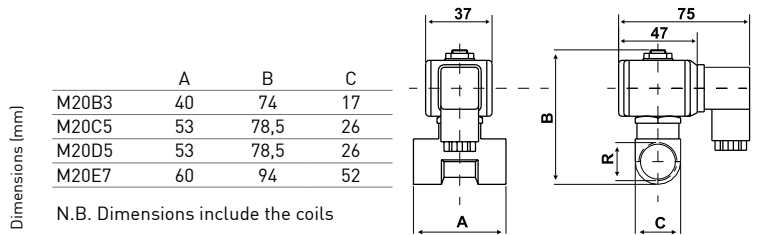
DIRECT-ACTING SOLENOID VALVES

Direct-acting solenoid valve bodies, normally closed



CODE	ORIFICE DIAMETER	FEMALE CONNECTION	Kv m ³ /h	MAXIMUM DIFFERENTIAL PRESSURE		TEST PRESSURE (DIN2401) PN bar
				VN	0.85VN	
M20B3	3 mm	G 1/4	0.27	16	10	25
M20C5	5 mm	G 3/8	0.612	6	2	25
M20D5	5 mm	G 1/2	0.612	5	2	25
M20E7	7 mm	G 3/4	1	2.5	1.8	25

- Closing time: 10 msec
- Quick-connect connector for coils
- Kv = water flow rate in m³/h with a pressure differential of 1 bar (1 bar = 100 kPa) between upstream and downstream



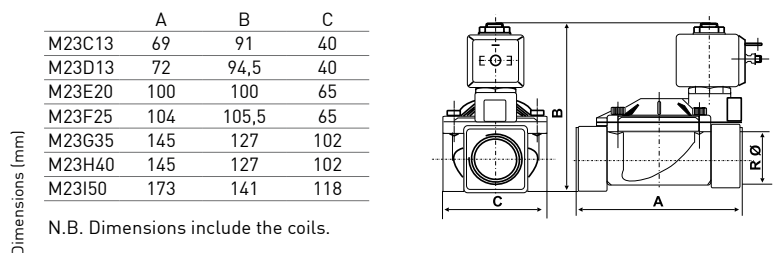
INDIRECT SERVO-ASSISTED SOLENOID VALVES

Servo-assisted diaphragm valve bodies, normally closed



CODE	ORIFICE DIAMETER	FEMALE CONNECTION	KV m ³ /h	CLOSING TIME DP OF 1 BAR	MAXIMUM DIFFERENTIAL PRESSURE	MINIMUM OPERATING PRESSURE	TEST PRESSURE (DIN2401) PN
M23C13	13 mm	G 3/8	3	1 sec.	20 bar	0.1 bar	25 bar
M23D13	13 mm	G 1/2	3	1 sec.	20 bar	0.1 bar	25 bar
M23E20	20 mm	G 3/4	8.4	1.5 sec.	20 bar	0.1 bar	25 bar
M23F25	25 mm	G 1	9.6	1.5 sec.	20 bar	0.1 bar	25 bar
M23G35	35 mm	G 1 1/4	25.2	2.5 sec.	10 bar	0.1 bar	16 bar
M23H40	40 mm	G 1 1/2	30	3 sec.	10 bar	0.1 bar	16 bar
M23I50	50 mm	G 2	37.2	3.5 sec.	10 bar	0.1 bar	16 bar

- Quick-connect connector for coils
- Kv = water flow rate in m³/h with a pressure differential of 1 bar (1 bar = 100 kPa) between upstream and downstream



Servo-assisted diaphragm valve bodies, normally open



- Closing time: 10 msec
- Quick-connect connector for coils
- Kv = water flow rate in m³/h with a pressure differential of 1 bar (1 bar = 100 kPa) between upstream and downstream

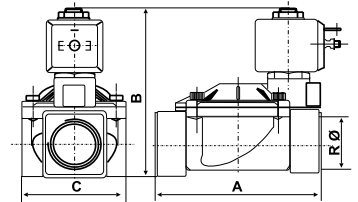


CODE	ORIFICE DIAMETER	FEMALE CONNECTION	KV m ³ /h	CLOSING TIME DP OF 1 BAR	MAXIMUM DIFFERENTIAL PRESSURE	MINIMUM OPERATING PRESSURE	TEST PRESSURE (DIN2401) PN
M29C13	13 mm	G 3/8	3	1	20 bar	0.1 bar	25 bar
M29D13	13 mm	G 1/2	3	1	20 bar	0.1 bar	25 bar
M29E20	20 mm	G 3/4	8.4	1.5	20 bar	0.1 bar	25 bar
M29F25	25 mm	G 1	9.6	1.5	20 bar	0.1 bar	25 bar
M29G35	35 mm	G 1 1/4	25.2	2.5	10 bar	0.1 bar	16 bar
M29H40	40 mm	G 1 1/2	30	3	10 bar	0.1 bar	16 bar
M29I50	50 mm	G 2	37.2	3.5	10 bar	0.1 bar	16 bar

	A	B	C
M29C13	69	91	40
M29D13	72	94,5	40
M29E20	100	100	65
M29F25	104	105,5	65
M29G35	145	127	102
M29H40	145	127	102
M29I50	173	141	118

Dimensions (mm)

N.B. Dimensions include the coils.



SOLENOID VALVE COILS

Control coils for solenoid valve bodies



CODE	SUITABLE FOR	POWER SUPPLY	COIL ABSORPTION		ACTIVE POWER W
			SEAT	RETENTION	
IM21F	M20 - M23	24 Vac 50/60Hz	25	16	9
IM21H	M20 - M23	115 Vac 50/60Hz	25	16	9
IM21M	M20 - M23	230 Vac 50/60 Hz	25	16	9
IM21D	M20 - M23	12 Vac 50/60 Hz	25	16	9
IM22	M20 - M23	24 Vdc			12
IM22A	M23	12 Vdc			14
IM29F	M29	24 Vac 50/60Hz	33	25	14
IM29M	M29	230Vac 50/60Hz	33	25	14
IM30A	M29	12 Vdc			16

1578501 DIN 43650 quick-connect connector suitable for all IM2... coils
Pg9 cable gland seal (6÷8 mm cable diameter)
Pg11 cable gland thread



INSTRUMENT MANIFOLD

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SOLAR THERMAL CONTROL UNITS

PAGE 196



CONTROL UNITS FOR UNDERFLOOR HEATING AND COOLING SYSTEMS

PAGE 197



CONTROL UNITS FOR BOILERS

PAGE 197



ELECTRIC SERVOCONTROLS

PAGE 200



MIXING AND MOTORIZED VALVES

PAGE 201



REMOTE CONTROL

PAGE 205



TEMPERATURE SENSORS

PAGE 206



INDUSTRIAL GAS DETECTORS

PAGE 207



DIN rail mounting



Wall mounting



Power supply 230V-50Hz



Power supply 24V



For solar thermal systems



For underfloor heating system



Humidity control



Heating and cooling control



Boiler control



Valve control



Pump control



Burner control



For domestic water control



Remote control via SMS



Remote control via PC

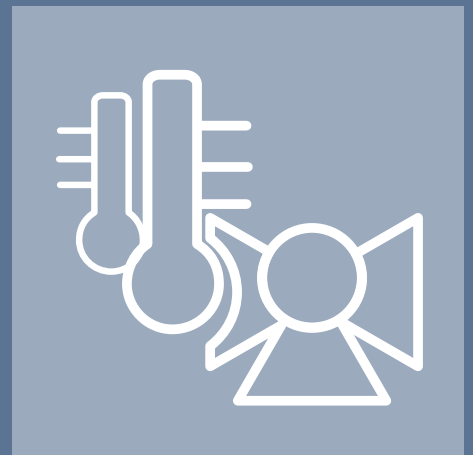


Protection rating IP40



Protection rating IP40 with rear panel mounting

THERMOREGULATION AND GAS SAFETY



INSTRUMENT MANIFOLD

Instrument manifolds



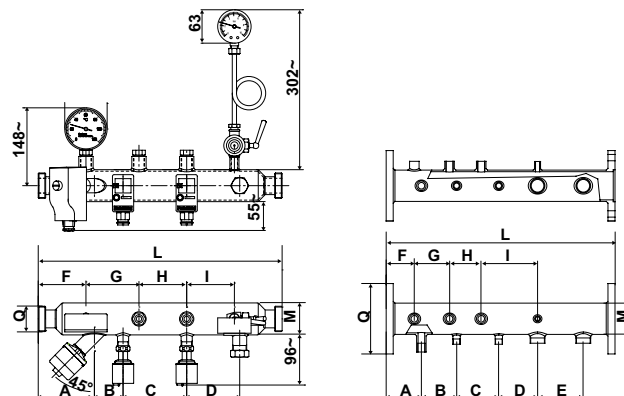
CODE	CONNECTION	N. CONNECTIONS FOR SAFETY VALVES	CONNECTION TYPE FOR SAFETY VALVE	WEIGHT KG
ETKB	1"1/4	1	3/4"	5.4
ETKC	1"1/2	1	1"	8.4
ETKD	2"	1	1"	8.7
ETK50	DN50	1	1"	7.1
ETK65	DN65	2	1"1/4 and 1"	8.5
ETK80	DN80	2	1"1/4 and 1"1/4	11.9

- The instrument manifold compactly assembles the components for safety, protection and control of thermal power plants over 35 kW
- Horizontal or vertical installation

DM 174/2004

COMPONENTS

- Code 9P6-99306-00A: immersion thermostat with manual reset
- Code B01BMX: manual reset safety pressure switch
- Code B01FML: manual reset low pressure switch
- Code 1590872 thermometer
- Code 1590874 pressure gauge
- Code 7750-14-0A pressure gauge valve
- Code 7760-14-0A buffer spring
- Connections
- Control well
- Fuel shut-off valve well
- Provision for safety valve



Dimensions (mm)		A	B	C	D	E	F	G	H	I	L	M	Q
ETKB	1"1/4(*)	106	54	120	100	-	90	100	90	90	460	60	1"1/2
ETKC	1"1/2(*)	106	121	120	125	-	90	100	90	90	568	101	2"
ETKD	2"(*)	106	121	120	125	-	90	100	90	90	568	101	2"1/2
ETK50	DN 50	100	100	120	100	-	80	100	90	160	520	60	DN 50
ETK65	DN 65	100	100	120	100	120	80	100	90	160	640	76	DN 65
ETK80	DN 80	100	100	120	110	130	80	100	90	160	650	89	DN 80

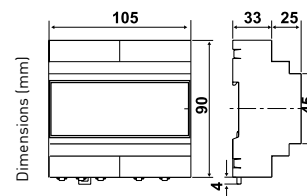
SOLAR THERMAL CONTROL UNITS

Control unit for solar thermal and solar cooling systems



CODE	POWER SUPPLY	CONTACT RATING	OPERATING TEMPERATURE	CONSUMPTION	PROTECTION RATING
EV40	230V 50Hz	5(3)A - 250Vac	0 ÷ 50 °C	5 VA	IP40

- DIN-rail mounting (6 modules)
- 8 types of preconfigured systems
- 3 sensor inputs
- 2 optoisolated inputs
- 3 output relays



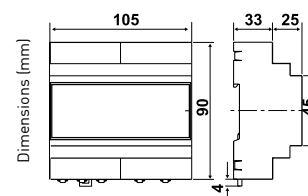
CONTROL UNITS FOR UNDERFLOOR HEATING AND COOLING SYSTEMS

Control unit for underfloor systems



CODE	POWER SUPPLY	CONTACT RATING	OPERATING TEMPERATURE	CONSUMPTION	PROTECTION RATING
EV84A	230V 50Hz	5(3)A - 250Vac	0 ÷ 50 °C	4 VA	IP40

- DIN-rail mounting (6 modules)
- Humidity control
- 3 output relays
- 3 analog inputs for controlling external, limit and supply temperatures
- 1 humidity sensor input
- 1 digital summer/winter input



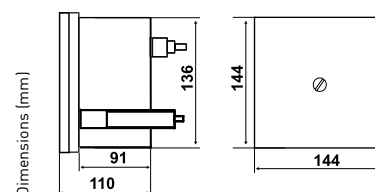
CONTROL UNIT FOR BOILERS

Analog control unit for climate temperature regulation



CODE	PROGRAMMING	CONTACT RATING	OPERATING TEMPERATURE	CONSUMPTION	PROTECTION RATING
EV02F	daily	5(3)A - 250Vac	0 ÷ 50 °C	4 VA	IP40
EV05M	weekly	5(3)A - 250Vac	0 ÷ 50 °C	4 VA	IP40

- Wall or rear panel mounting
- Mechanical clock
- Potentiometers for selecting the heating curve and adjusting the comfort and energy-saving temperatures

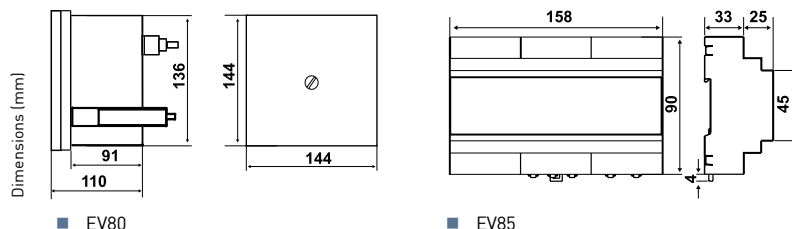


Climate control units with remote control



CODE	MOUNTING	CONTACT RATING	OPERATING TEMPERATURE	CONSUMPTION	PROTECTION RATING
EV80	box 144 mm box	5(3)A - 250Vac	0 ÷ 50 °C	7 VA	IP40
EV85	DIN-rail 9 modules	5(3)A - 250Vac	0 ÷ 50 °C	7 VA	IP40
TCEV80	RS232 cable, controller modem				

- Valve, pump and burner control
- 2 generic alarm inputs
- Sensor inputs: external, supply, limit and ambient

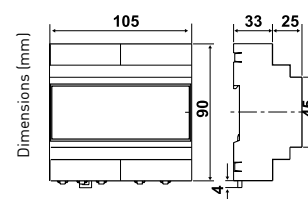


Control unit for centralized domestic water systems



CODE	MOUNTING	CONTACT RATING	OPERATING TEMPERATURE	CONSUMPTION	PROTECTION RATING
EV60	DIN-rail 6 modules	5(3)A - 250Vac	0 ÷ 50 °C	5 VA	IP40

- Circulation pump control
- Mixing valve or burner control
- Thermal disinfection function
- Supply sensor inputs: external, flow and ambient

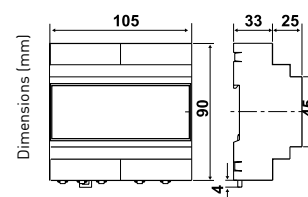


Climatic regulation control unit



CODE	MOUNTING	CONTACT RATING	OPERATING TEMPERATURE	CONSUMPTION	PROTECTION RATING
EV83	DIN-rail 6 modules	5(3)A - 250Vac	0 ÷ 50 °C	3 VA	IP40

- Circulation pump control
- Mixing valve control
- Burner control
- Sensor input: external, supply and ambient

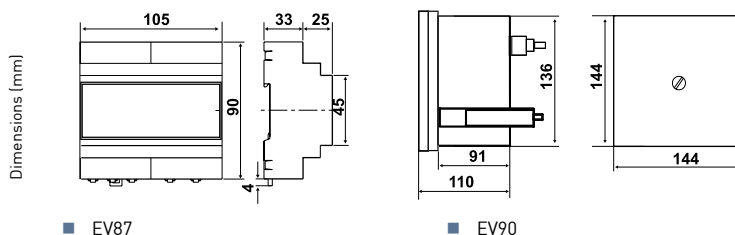


Multifunctional climatic control unit with remote management



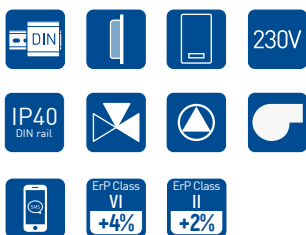
CODE	MOUNTING	CONTACT RATING	OPERATING TEMPERATURE	CONSUMPTION	PROTECTION RATING
EV87	DIN-rail 6 modules	5(3)A - 250Vac	0 ÷ 45 °C	5 VA	IP40
EV90	box 144mm	5(3)A - 250Vac	0 ÷ 50 °C	5 VA	IP40

- Expandable and remotely manageable
- 4 output relays: mixing valve and pump, multi-stage burner (from 2 to 4), cascade boilers (from 2 to 4), 2 cascade boilers
- 2 digital inputs that can be used as alarms
- 1 input 4..20mA (only EV87)
- 1 output 0..10V (only EV87)



■ EV87

■ EV90

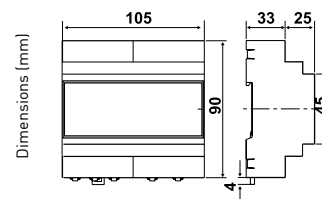


Expansion modules for EV87 and EV90 control units



CODE	DESCRIPTION	CONTACT RATING	CONSUMPTION
EV91A	Temperature regulation module with external sensor	5(3)A - 250Vac	7 VA
EV91B	Fixed point temperature regulation module for domestic water	5(3)A - 250Vac	5 VA
EV91C	Module for regulating two or more boilers in cascade	5(3)A - 250Vac	5 VA
EV91D	Generic output module	5(3)A - 250Vac	3 VA
EV92	Digital input module	5(3)A - 250Vac	3 VA

- DIN-rail mounting, 6 modules
- Operating temperature: 0 ÷ 50°C



ELECTRIC SERVOCONTROLS

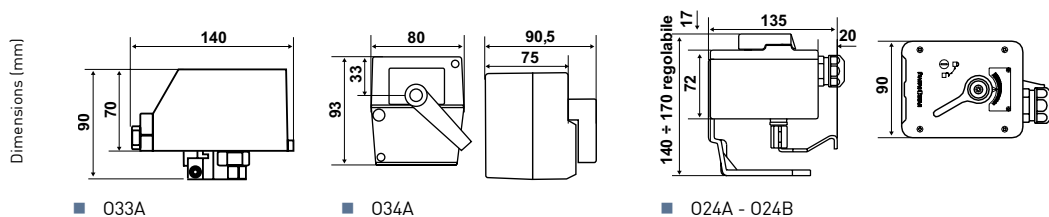
Electric servocontrols



CODE	SUITABLE FOR	ROTATION TIME	RATED TORQUE	PROTECTION RATING
033A	zone valves	90 seconds for 90°	4 Nm	IP40
034A	mixing valves	280 seconds for 90°	10 Nm	IP40
024A	mixing valves	10 minutes for 90°	15 Nm	IP40
024B	mixing valves	5 minutes for 90°	18 Nm	IP40

■ Suitable for Z6... valves

230V IP40



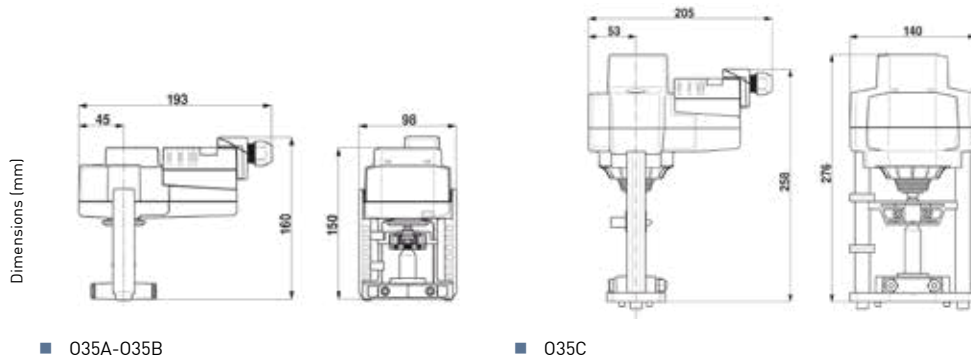
Electric servocontrols for globe valves



CODE	ACTUATING FORCE	OPERATING POWER CONSUMPTION	STANDBY POWER CONSUMPTION	RATED STROKE
035A	500 N	3.5 W	0.5 W	15 mm
035B	1000 N	2 W	1 W	20 mm
035C	2500 N	5.5 W	1 W	40 mm

■ Suitable for ZL... valves

230V



MIXING AND MOTORIZED VALVES

3-way and 4-way sector mixing valves

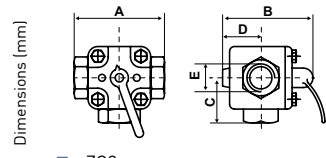


CODE	WAY	KV	CONNECTION	CONNECTION TYPE	SUITABLE FOR	WEIGHT KG
ZC3A	3	15 m³/h	G 1	female threaded PN 6	O24A-O24B-034A	2.50
ZC3B	3	20 m³/h	G 1 1/4	female threaded PN 6	O24A-O24B-034A	3.47
ZC3C	3	40 m³/h	G 1 1/2	female threaded PN 6	O24A-O24B-034A	3.67
ZC340	3	40 m³/h	DN 40	flanged PN 6	O24A-O24B-034A	6.17
ZC350	3	60 m³/h	DN 50	flanged PN 6	O24A-O24B-034A	8.15
ZC365	3	100 m³/h	DN 65	flanged PN 6	O24A-O24B-034A	11.23
ZC380	3	185 m³/h	DN 80	flanged PN 6	O24A-O24B-034A	18.40
ZC3100	3	300 m³/h	DN 100	flanged PN 6	O24A-O24B-034A	23.75
ZC3125	* 3	525 m³/h	DN 125	flanged PN 6	O24A-O24B-034A	41.48
ZC3150	* 3	825 m³/h	DN 150	flanged PN 6	O24A-O24B-034A	49.17
ZC4M	4	11 m³/h	G 3/4	female threaded PN 6	O24A-O24B-034A	2.67
ZC4A	4	20 m³/h	G 1	female threaded PN 6	O24A-O24B-034A	2.92
ZC4B	4	30 m³/h	G 1 1/4	female threaded PN 6	O24A-O24B-034A	4.55
ZC4C	4	60 m³/h	G 1 1/2	female threaded PN 6	O24A-O24B-034A	4.75
ZC440	4	60 m³/h	DN 40	flanged PN 6	O24A-O24B-034A	8.15
ZC450	4	80 m³/h	DN 50	flanged PN 6	O24A-O24B-034A	9.88
ZC465	4	150 m³/h	DN 65	flanged PN 6	O24A-O24B-034A	13.43
ZC480	4	200 m³/h	DN 80	flanged PN 6	O24A-O24B-034A	22.86
ZC4100	4	300 m³/h	DN 100	flanged PN 6	O24A-O24B-034A	29.34

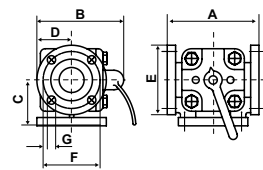
* available upon request

- Mountable as both mixing and diverting valves
- Suitable for medium and large systems
- Suitable for actuators O24A and O24B with T01D coupling
- Suitable for actuators O34A with T04E coupling
- Valve body made of cast iron
- Maximum operating temperature 120°C
- Operating pressure PN6

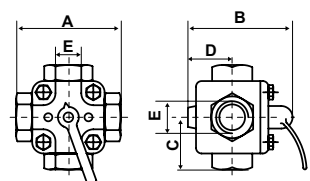
IP40



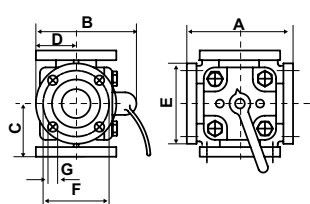
■ ZC3...



Dimensions (mm)



■ ZC4...



connections	A	B	C	D	E	F	G
3/4"	110	105	55	26	25	-	-
1"	110	117	55	35	31	-	-
1 1/4"	130	126	63	37	40	-	-
1 1/2"	130	130	65	40	45	-	-
40 DN	180	155	90	65	130	100	14
50 DN	180	170	90	70	140	110	14
60 DN	200	191	100	80	160	130	14
80 DN	230	205	112	95	190	150	18
100 DN	260	225	130	105	210	170	18
125 DN	320	305	160	120	240	200	18
150 DN	350	340	175	132	265	225	18

connections	A	B	C	D	E	F	G
3/4"	110	122	55	40	25	-	-
1"	110	122	55	40	31	-	-
1 1/4"	130	145	65	55	40	-	-
1 1/2"	130	145	65	55	45	-	-
40	180	155	90	65	130	100	14
50	180	165	90	70	140	110	14
65	200	191	100	80	160	130	14
80	230	205	115	95	190	150	18
100	260	225	130	105	210	170	18
125 DN	320	305	160	120	240	200	18
150 DN	350	340	175	132	265	225	18

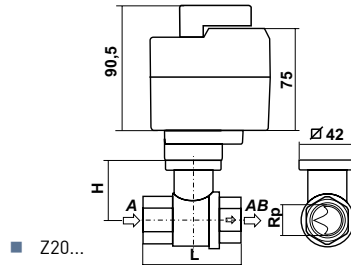
2-way and 3-way motorized ball valves, threaded



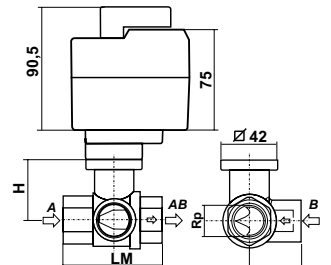
CODE	WAY	DN	FEMALE THREADED CONNECTION	SUITABLE FOR	ROTATION TIME	KV	WEIGHT KG
Z20AB	2	32	G 1 1/4	O34A + T04H	140 sec.	16 m³/h	1.4
Z20AC	2	40	G 1 1/2	O34A + T04H	140 sec.	25 m³/h	1.65
Z20AD	2	50	G 2	O34A + T04H	140 sec.	40 m³/h	2.4
Z30AB	3	32	G 1 1/4	O34A + T04H	140 sec.	16 m³/h	1.7
Z30AC	3	40	G 1 1/2	O34A + T04H	140 sec.	25 m³/h	2
Z30AD	3	50	G 2	O34A + T04H	140 sec.	40 m³/h	2.9

- Actuator suitable for operation: servomotor O34A
- Power consumption: 3.5 VA
- Protection rating: IP40
- Fluid temperature range: 5 ÷ 100°C

IP40



■ Z20...



■ Z30...

Dimensions (mm)

	DN	L	H	max. thread length
Z20AB	32	105	52	19
Z20AC	40	111	52	19
Z20AD	50	125	58	22

Dimensions (mm)

	DN	L	H	M	max. thread length
Z30AB	32	105	52	55,5	19
Z30AC	40	111	52	56	19
Z30AD	50	125	58	68	22

3-way motorized globe valves, threaded

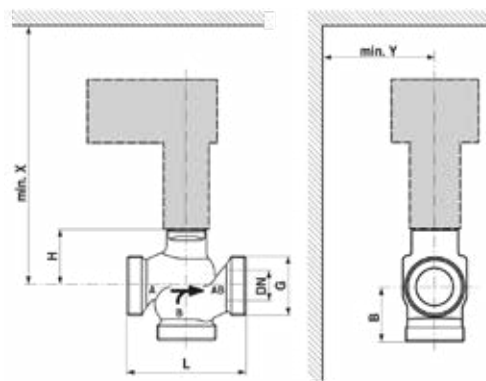


CODE	KV	DN	CONNECTION	ps (kPa)	SUITABLE FOR	Δpmax [kPa]	WEIGHT KG
ZL30AA	4 m³/h	15	G 1 1/8	1600	O35A	400	1.1
ZL30AB	6.3 m³/h	20	G 1 1/4	1600	O35A	400	1.2
ZL30AC	10 m³/h	25	G 1 1/2	1600	O35A	400	1.4
ZL30AD	16 m³/h	32	G 2	1600	O35A	400	2
ZL30AE	25 m³/h	40	G 2 1/4	1600	O35A	400	2.5
ZL30AF	40 m³/h	50	G 2 3/4	1600	O35A	400	3.6

CODE DESCRIPTION

1583204	Connection for globe valve DN15 Rp 1/2" (ZL30AA)
1583205	Connection for globe valves DN20 Rp 3/4" (ZL30AB)
1583206	Connection for globe valves DN25 Rp 1" (ZL30AC)
1583207	Connection for globe valves DN32 Rp 1 1/4" (ZL30AD)
1583208	Connection for globe valves DN40 Rp 1 1/2" (ZL30AE)
1583209	Connection for globe valves DN50 Rp 2" (ZL30AF)

- Controlled fluid: cold and hot water with a maximum 50% glycol volume, overheated water and steam
- Fluid temperature range: 5÷120°C
- Actuator suitable for operation: servomotor O35A



Dimensions (mm)

	DN	L	B	H	X	Y
ZL30AA	15	80	55	46	290	100
ZL30AB	20	90	55	46	290	100
ZL30AC	25	110	55	52	300	100
ZL30AD	32	120	55	56	300	100
ZL30AE	40	130	60	65	310	100
ZL30AF	50	150	65	65	310	100

3-way motorized globe valves, flanged

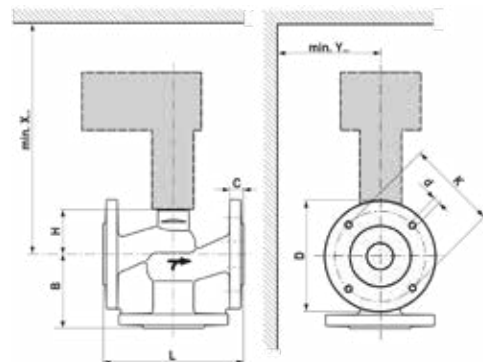


- Controlled fluid: cold and hot water with a maximum 50% glycol volume
- Fluid temperature range: 5 + 120°C
- Actuator suitable for operation: servocontrols O35...

CODE	KV	DN	RATED STROKE mm	ps (kPa)	SUITABLE FOR	Δp_{max} [kPa]	WEIGHT KG
ZL31AA	10 m ³ /h	25	15	1600	O35A	400	4.7
ZL31AB	16 m ³ /h	32	15	1600	O35A	400	7.2
ZL31AC	25 m ³ /h	40	15	1600	O35A	400	9.2
ZL31AD	40 m ³ /h	50	15	1600	O35A	400	12.2
ZL31AE	58 m ³ /h	65	18	1600	O35B	400	19
ZL31AF	90 m ³ /h	80	18	1600	O35B	400	24
ZL31AG	145 m ³ /h	100	30	1600	O35C	400	34
ZL31AH *	220 m ³ /h	125	40	1600	O35C	400	54.4
ZL31AI *	320 m ³ /h	150	40	1600	O35C	400	72.6

* available upon request

Dimensions (mm)	DN	L	B	H	C	D	d	K	Y
	ZL31AA	25	160	75	52	16	115	4 x 14	85
ZL31AB	32	180	95	56	18	140	4 x 18	100	100
ZL31AC	40	200	100	64	18	150	4 x 18	110	100
ZL31AD	50	230	100	64	20	165	4 x 18	125	100
ZL31AE	65	290	120	100	20	185	4 x 18	145	100
ZL31AF	80	310	130	110	22	200	8 x 18	160	150
ZL31AG	100	350	150	125	24	220	8 x 18	180	150
ZL31AH	125	400	200	281	26	250	8 x 18	210	150
ZL31AI	150	480	210	343	26	285	8 x 22	240	150



Couplings for mixing valves with servocontrols



CODE	SUITABLE FOR
T01A	Coupling for valves FANTINI COSMI-BUCHE
T01B	Coupling for valves HONEYWELL Ø 24
T01D	Coupling for valves FANTINI COSMI, LAZZARI
T01E	Coupling for valves ZENTRA Ø 20.8
T01F	Coupling for valves VILB Ø 11
T01G	Coupling for valves STARK Ø 12
T01H	Coupling for valves LOELL Ø 20
T01L	Coupling for valves WIMAT Ø 14
T01M	Coupling for valves VEMA Ø 12
T01N	Coupling for valves BESSER Ø 12
T01P	Coupling for valves COSTER Ø 16
T01Q	Coupling for valves COSTER Ø 12
T01R	Coupling for valves IVK Ø 14
T01S	Coupling for valves SAUTER Ø 16
T01T	Coupling for valves WAYSSMANN Ø 6
T01U	Coupling for valves WAYSSMANN Ø 9
T01Z	Coupling for valves MIXETTE Ø 12
T02A	Coupling for valves VEMA Ø 10
T02B	Coupling for valves VILB Ø 25
T02C	Coupling for valves JUCKER Ø 14
T02D	Coupling for valves TAM STADL. Ø 12
T02G	Coupling for valves ESBE Ø 12
T04A	Coupling for valves FANTINI COSMI-BUCHE
T04B	Coupling for valves MUT
T04C	Coupling for valves SIEMENS L.& G. (SERIE 1)
T04D	Coupling for valves SIEMENS L.& G. (SERIE 2)
T04E	Coupling for valves FANTINI COSMI
T04F	Coupling for valves CENTRA SERIE DR & ZR
T04G	Coupling for valves ESBE, TERMOMIX, POMMERENING
T04H	Coupling for valves FANTINI - BELIMO
T05A	Coupling for valves FANTINI COSMI ZC series
TAUX	Auxiliary contact kit for servocontrol 034A
024AUX	Auxiliary contact kit for servocontrol 024A

REMOTE CONTROL

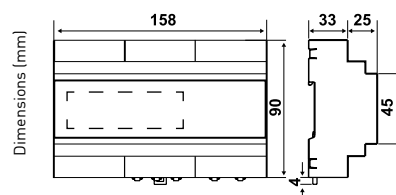
Remote monitoring and management system via SMS and PC



- 4 digital ON-OFF inputs
- 3 temperature sensor inputs
- 1 input for 4-20 mA sensors
- 4 output relays
- 1 RS232 serial channel
- 1 FANBUS serial channel



CODE	COMPOSITION	protection rating
EV70D	Control unit with display + 230Vac 50Hz connection cable	IP40
EV70DK	EV70D + GSM modem EM70S + connection cable + modem power supply + antenna	
EV70DQ	EV70D wired in panel	
EV70DQB	EV70D wired in panel with backup battery	



Modem and accessories for remote control



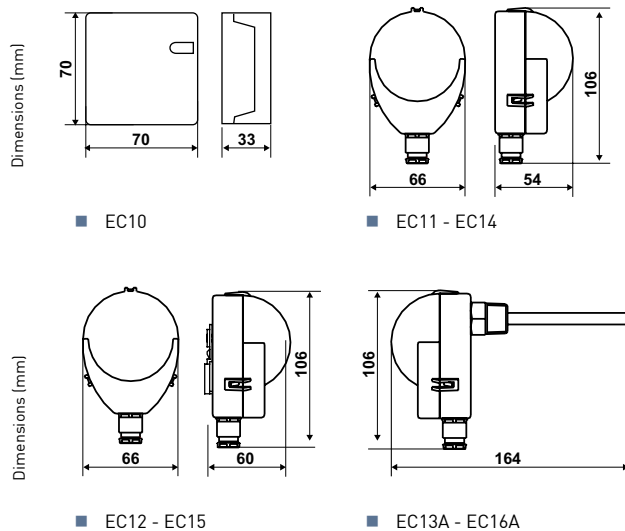
CODE	TYPE	SUITABLE FOR
EM70S	GSM modem with power supply and antenna	EV40 - EV70A - EV70D - EV80 EV87 - EV85 - EV90
1590029	rechargeable battery 12V-1.2Ah	EV40 - EV70A - EV80 - EV85 EV87 - EV90 - CT3MA
N70A	power supply and battery charger	EV40 - EV70D - EV80 - EV85 EV87 - EV90 - CT3MA

TEMPERATURE SENSORS AND PROBES

Temperature sensors and probes for electronic control units



CODE	TYPE	SUITABLE FOR	TYPE OF SENSOR
EC10	ambient sensor	EV80 - EV83 - EV85 - EV87	NTC 10K + trimmer
EC11	outdoor sensor	EV02F - EV05M	NTC 1K 2 resistors
EC12	contact sensor	EV02F - EV05M	NTC 1K 2 resistors
EC13A	immersion probe	EV02F - EV05M	NTC 1K 2 resistors
EC14	outdoor sensor	EV83 - EV70D - EV80 - EV84A EV85 - EV87 - EV90 - EV91	NTC 1K
EC15	contact sensor	EV60 - EV83 - EV70A - EV70D - EV80 - EV80E - EV84A EV85 - EV85E - EV87 - EV90 - EV91 - EV200RL	NTC 10K
EC16A	immersion probe	EV60 - EV83 - EV70A - EV70D - EV80 - EV80E - EV84A EV85 - EV85E - EV87 - EV90 - EV91 - EV200RL	NTC 10K
EC17	sensor for well	EV60 - EV83 - EV70A - EV70D - EV80 - EV80E - EV84A EV85 - EV85E - EV87 - EV90 - EV91 - EV200RL	NTC 10K
EC18RL	radio LoRa® outdoor sensor	EV200RL	NTC 10K
EC21	wire sensor for high temperatures	EV40	NTC 1K





CONSTANT POWER
HEATING CABLES

PAGE 210



CONSTANT POWER
HEATING CABLES
WITH THERMOSTAT
AND PLUG

PAGE 211



Power supply
230V-50Hz



Control thermostat
required



Provided with a
Shuko plug



SELF-REGULATING
HEATING CABLES

PAGE 211



ACCESSORIES

PAGE 213

HEATING CABLES



CONSTANT POWER HEATING CABLES

Constant power heating cables for road ramps



- Power supply 230V-50Hz
- Power output ~17W/m
- Suitable for preventing freezing of road access ramps, parking lots, sidewalks, and pedestrian crossings



CODE	CABLE LENGTH	HEATED SURFACE WITH 130W/M	TOTAL POWER CONSUMPTION AT 230V	MINIMUM AMBIENT TEMPERATURE	MAXIMUM AMBIENT TEMPERATURE
K17C29	30.42 m	3 m ²	510 W	-5 °C	65 °C
K17C73	74.28 m	6 m ²	1260 W	-5 °C	65 °C
K17C82	89.34 m	7 m ²	1530 W	-5 °C	65 °C
K17C102	101.98 m	9 m ²	1750 W	-5 °C	65 °C
K17C129	124.58 m	11 m ²	2200 W	-5 °C	65 °C

Constant power heating cables for pipes



- Power supply 230V-50Hz
- Power output ~10W/m
- Suitable for preventing freeze of pipes in misting systems, irrigation systems and fire-fighting systems

230V

CODE	CABLE LENGTH	MINIMUM AMBIENT TEMPERATURE	MAXIMUM AMBIENT TEMPERATURE WHEN POWERED	MAXIMUM LENGTH FROM THE POWER SUPPLY POINT
K12C25	25 m	-20 °C	40 °C	160 m
K12C50	50 m	-20 °C	40 °C	160 m
K12C75	75 m	-20 °C	40 °C	160 m

CONSTANT POWER HEATING CABLES WITH THERMOSTAT AND PLUG

Constant power heating cable kit with thermostat and Schuko plug



- Power supply 230V-50Hz
- Power output ~10W/m
- Power tolerance $\pm 2.5W$
- Prevents potential damage caused by low temperatures on pipes, valves, faucets, water meters, drinking troughs, pots and small tanks



CODE	HEATING SECTION LENGTH	MINIMUM AMBIENT TEMPERATURE	MAXIMUM AMBIENT TEMPERATURE WHEN POWERED	MAXIMUM AMBIENT TEMPERATURE WHEN NOT POWERED
K10C3KIT	3 m	-5 °C	65 °C	65 °C
K10C6KIT	6 m	-5 °C	65 °C	65 °C
K10C9KIT	9 m	-5 °C	65 °C	65 °C
K10C14KIT	14 m	-5 °C	65 °C	65 °C

SELF-REGULATING HEATING CABLES

Self-regulating heating cables for pipes, gutters, downspouts and roofs

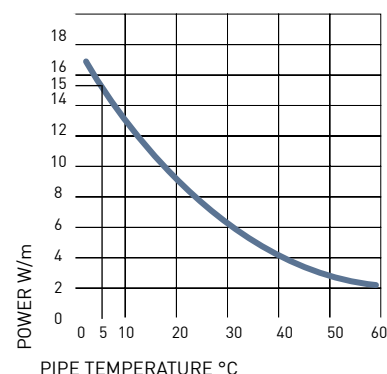


- Power supply 230V-50Hz
- Power output ~15W/m at 5°C
- Protective circuit rating 16A x 100 m at 0°
- Suitable for preventing freeze of water pipes, ice formation on roofs and gutters

230V

CODE	CABLE LENGTH	MINIMUM AMBIENT TEMPERATURE	MAXIMUM AMBIENT TEMPERATURE WHEN POWERED	MAXIMUM AMBIENT TEMPERATURE WHEN NOT POWERED	MAXIMUM LENGTH FROM THE POWER SUPPLY POINT
K15A25	25 m	-35 °C	65 °C	80 °C	110 m
K15A50	50 m	-35 °C	65 °C	80 °C	110 m
K15A75	75 m	-35 °C	65 °C	80 °C	110 m
K15A100	100 m	-35 °C	65 °C	80 °C	110 m
K15A500 *	500 m	-35 °C	65 °C	80 °C	110 m
K15A1000 *	1000 m	-35 °C	65 °C	80 °C	110 m

* available upon request



Self-regulating heating cables for temperature maintenance of fluid pipelines

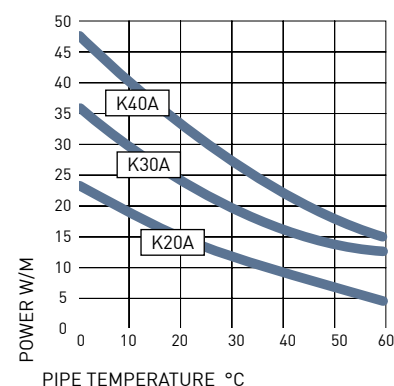


- Power supply 230V-50Hz
- Power output:
 - K20A 20 W/m at 10°C
 - K30A 30 W/m at 10°C
 - K40A 40 W/m at 10°C
- Tolerance -0/+5 W
- Suitable for maintaining the temperature of liquids inside pipes

230V

CODE	CABLE LENGTH	POWER AT 10°C	MINIMUM AMBIENT TEMPERATURE	MAXIMUM AMBIENT TEMPERATURE WHEN POWERED	MAXIMUM AMBIENT TEMPERATURE WHEN NOT POWERED	MAXIMUM LENGTH FROM THE POWER SUPPLY POINT
K20A25	25 m	20 W/m	-35 °C	65 °C	80 °C	170 m
K20A50	50 m	20 W/m	-35 °C	65 °C	80 °C	170 m
K20A100	100 m	20 W/m	-35 °C	65 °C	80 °C	170 m
K20A500 *	500 m	20 W/m	-35 °C	65 °C	80 °C	170 m
K30A25	25 m	30 W/m	-35 °C	65 °C	80 °C	140 m
K30A50	50 m	30 W/m	-35 °C	65 °C	80 °C	140 m
K30A100	100 m	30 W/m	-35 °C	65 °C	80 °C	140 m
K40A25	25 m	40 W/m	-35 °C	65 °C	80 °C	120 m
K40A50	50 m	40 W/m	-35 °C	65 °C	80 °C	120 m
K40A100	100 m	40 W/m	-35 °C	65 °C	80 °C	120 m

* available upon request



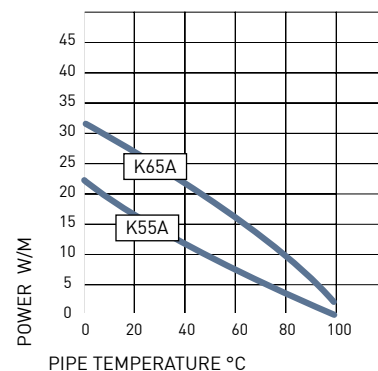
Self-regulating heating cables for high-temperature systems



- Power supply 230V-50Hz
- Minimum ambient installation temperature -20°C
- K55A100 protection circuit rating: 50 meters 10A, 80 meters 16A, 120 meters 20A
- K65A100 protection circuit rating: 100 meters 20A
- Suitable for maintaining the temperature of liquids in pipes, such as domestic water
- Can maintain the pipes at a temperature above 70°C, preventing the formation of Legionella bacteria

230V

CODE	CABLE LENGTH	POWER	MAXIMUM AMBIENT TEMPERATURE WHEN POWERED	MAXIMUM AMBIENT TEMPERATURE WHEN NOT POWERED	MAXIMUM LENGTH FROM THE POWER SUPPLY POINT
K55A100	100 m	9 W/m 55 °C	80 °C	100 °C	130 m
K65A100	100 m	13 W/m 65 °C	80 °C	100 °C	110 m



ACCESSORIES

Junction box



CODE		SUITABLE FOR
KBE3A	Junction box	K15A - K12C - K17C - K20A - K30A - K40A - K55A - K65A
KSUPP-A	Support for junction box	K15A - K12C - K17C - K20A - K30A - K40A - K55A - K65A

Fixing tapes



CODE		SUITABLE FOR
K50	Fiberglass fixing tape for metal pipes	K15A - K12C - K20A - K30A - K40A - K55A - K65A
K50AL	Tape for plastic pipes	K15A - K12C - K20A - K30A - K40A - K55A - K65A

Spacing bar and label



CODE		SUITABLE FOR
KJSSP	1 m PVC spacing bar	K17C
KFAN	Yellow adhesive labels	K15A - K12C - K20A - K30A - K40A - K55A - K65A

Terminal sealing kit



CODE		SUITABLE FOR
KIT1	Sealing terminal kit for constant power cables	K12C
KIT2	Sealing terminal kit for self-regulating cables	K15A - K20A - K30A - K40A - K55A - K65A

Hygrostats

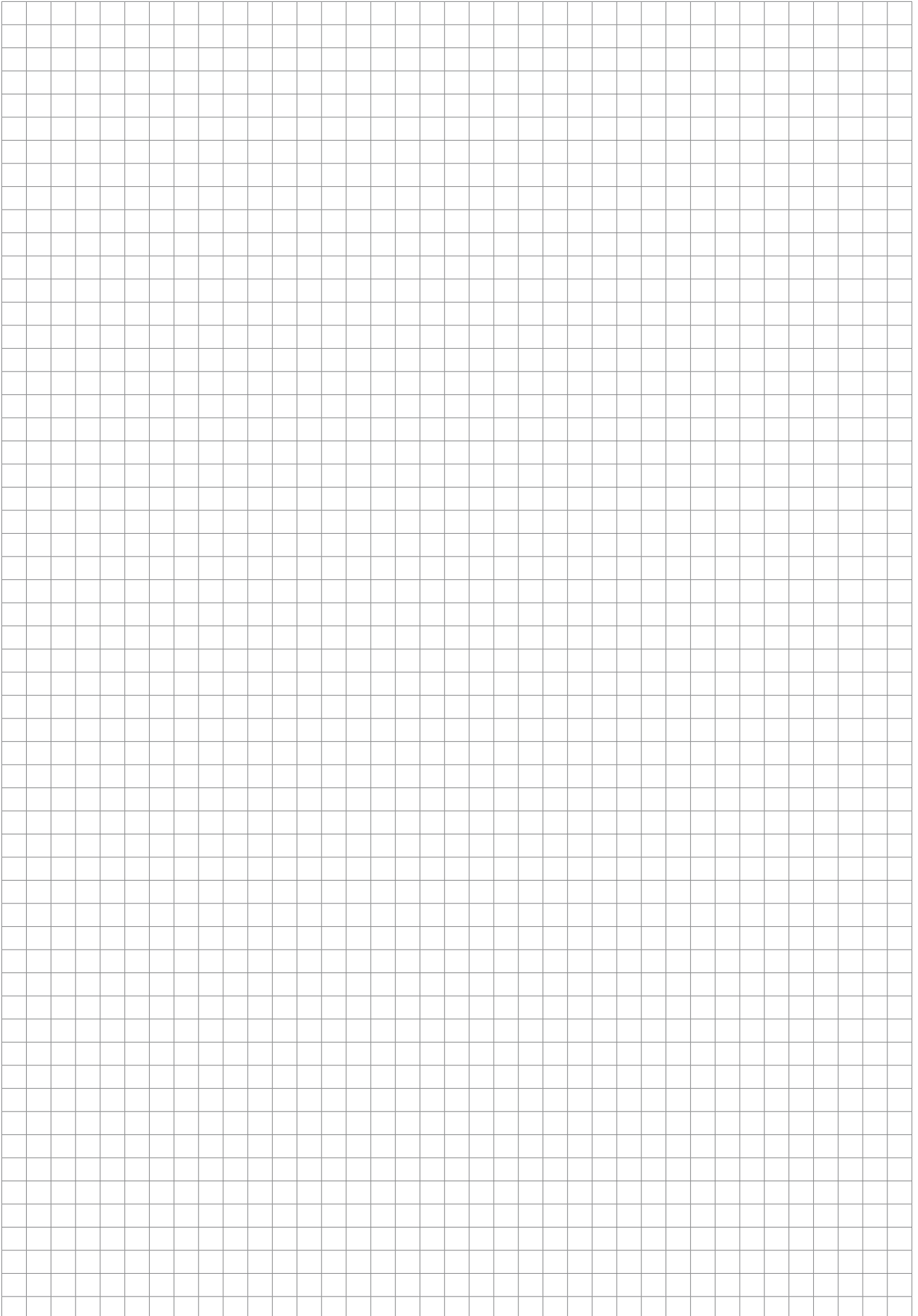


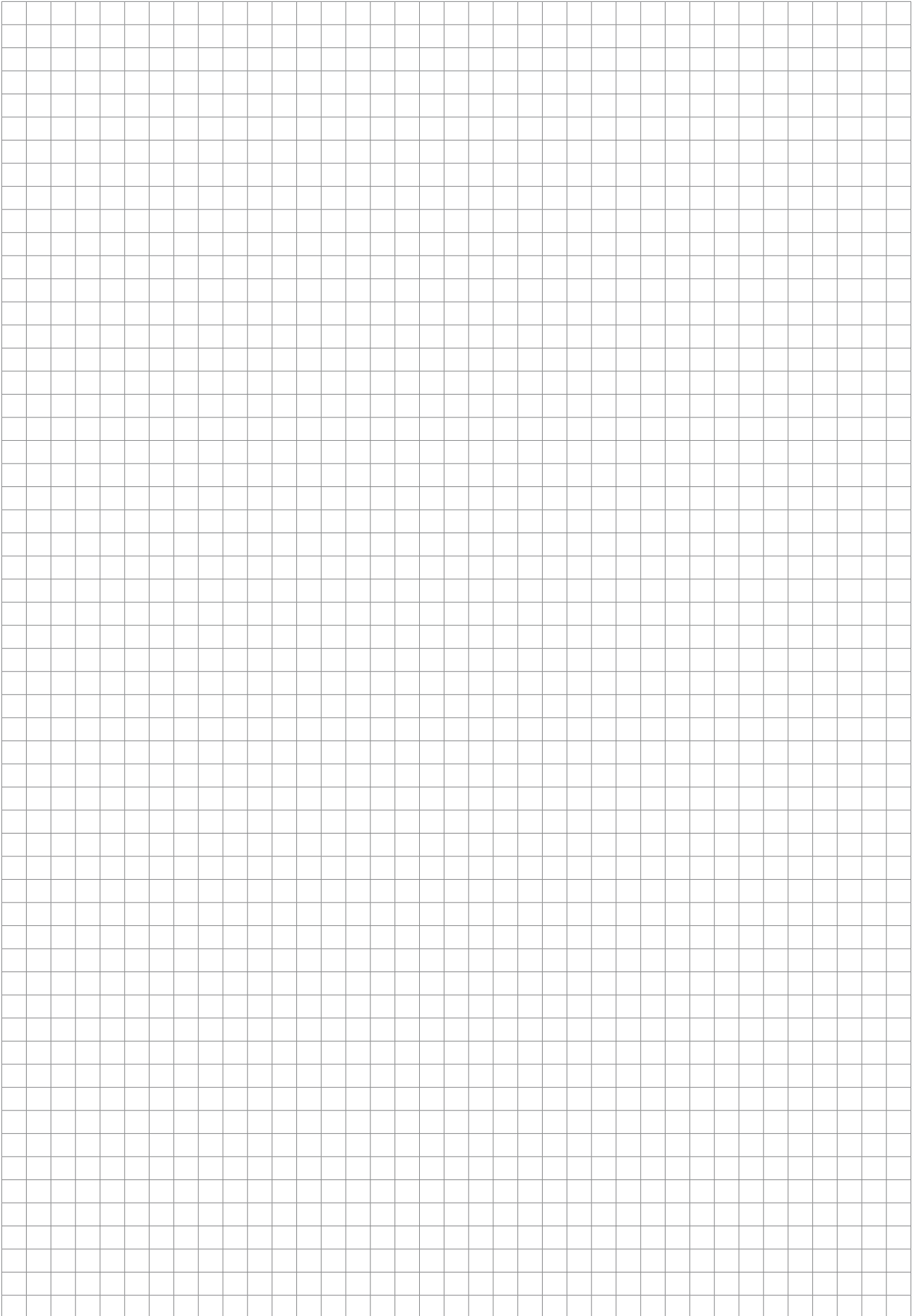
CODE		SUITABLE FOR
L23EM1B	ON/OFF hygrostat	K17C
LS160A	Hygrostat sensor	K17C

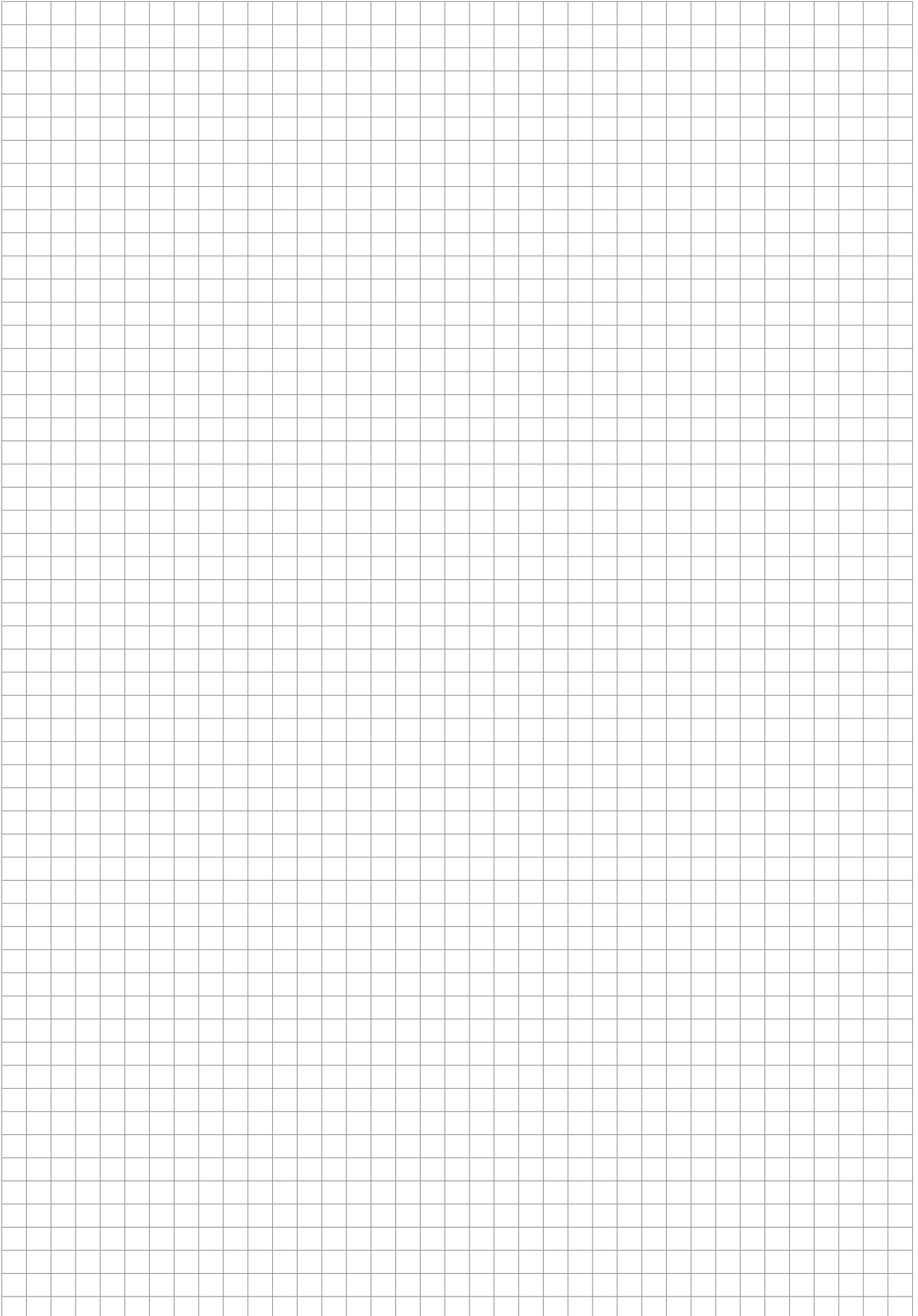
Thermostats

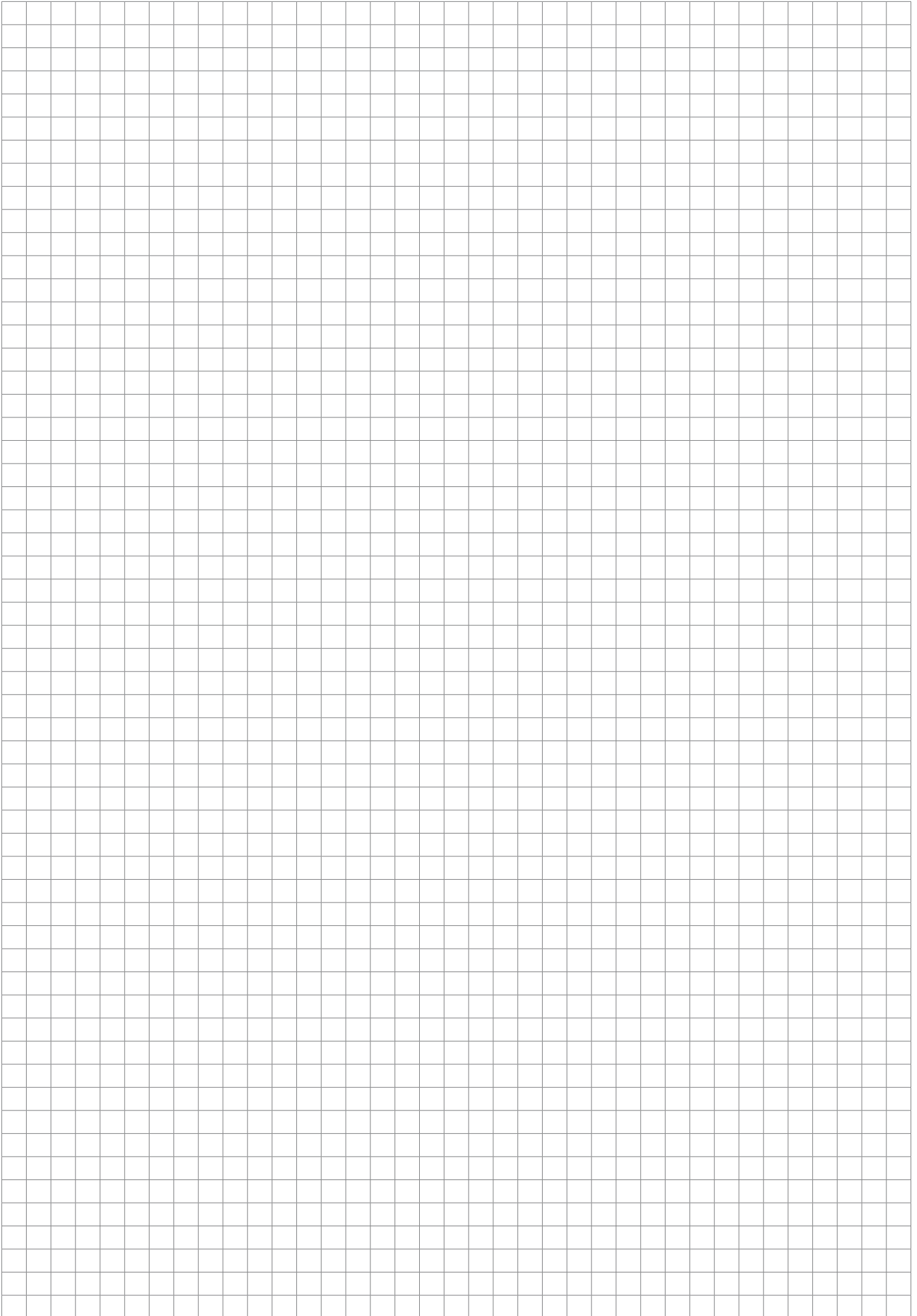


CODE		SUITABLE FOR
L03BM1A	ON/OFF P.I.D. thermostat, 1 output, 230V-50Hz	K17C - K15A - K20A - K30A - K40A - K55A - K65A
C03A3	Immersion thermostat for pipes	K20A - K30A - K40A - K55A - K65A











The characteristics referring to the devices in this catalog are not binding. Fantini Cosmi S.p.A. reserves the right, for reasons of technological improvement, regulatory changes, and commercial considerations, to make modifications without prior notice or public announcement, while maintaining the main functional features of the models.



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