



Heating

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Radiator equipment

Thermostatic radiator valves



Control head

Built-in sensor with liquid-filled element.



Thermostatic control head

pack	code
1/126	TTH

Radiator valves

Chrome plated - With O-ring.

Angle type

Ø	pack	code
3/8"	15/90	RTH12E
1/2"	6/48	RTH15E



Straight type

Ø	pack	code
3/8"	15/120	RTH12D
1/2"	6/48	RTH15D



Reverse type

Ø	pack	code
3/8"	9/72	RTH12EI
1/2"	9/72	RTH15EI



Lockshield valves

Chrome plated - With O-ring.

Angle type

Ø	pack	code
3/8"	20	CR12CH
1/2"	15	CR15CH



Straight type

Ø	pack	code
3/8"	20	TR12CH
1/2"	15	TH15CH



Manual radiator valves

Radiator valves

Nickel plated - With O-ring.

Angle type

Ø	pack	code
3/8"	20	RRA12EN
1/2"	15	RRA15EN
3/4"	5	RRA20EN



Straight type

Ø	pack	code
3/8"	20	RRA12DN
1/2"	15	RRA15DN
3/4"	5	RRA20DN



Lockshield valves

Nickel plated - With O-ring - May also be combined with thermostatic radiator valves.

Angle type

Ø	pack	code
3/8"	20	CR12N
1/2"	15	CR15N
3/4"	10	CR20N
1"*	-	CR26
1"1/4*	-	CR33



Straight type

Ø	pack	code
3/8"	20	TR12N
1/2"	15	TR15N
3/4"	10	TR20N
1"*	-	TR26
1"1/4*	-	TR33



Radiator fittings

For copper pipes

Chrome plated



Ø	code
1/2" - 14	ZRTC1514
1/2" - 16	ZRTC1516

Angle connection for plastic pipes



Ø	pack	code
MM 1/2" (14,5 mm bore)	2	CR145

For multilayer pipes Ø 16

Nickel plated



Ø	code
M 1/2"	86716

Union fittings, see page 144



Valves for panel radiators

Nickel plated body - Ball valve - Supplied with socket MM 3/4" - 1/2" for radiator F 1/2".

Single valves



Straight type	pack	code
	1/115	V20D



Angle type	pack	code
	1/120	V20E

Fittings

For copper pipes



Ø	pack	code
3/4" x 10	100	437510
3/4" x 12	100	437512
3/4" x 14	100	437514
3/4" x 15	100	437515
3/4" x 16	100	437516
3/4" x 18	100	437518

For plastic pipes



Ø	pack	code
3/4" x 10/12	10	681501
3/4" x 13/16	10	681535
3/4" x 16/20	10	681564

For multilayer pipes - Free nut Eurocone



Ø	pack	code
3/4" x 16	10	MCREC416

Electric sets for towel heater

When the boiler is off, the set offers the requested temperature and dries the towels - Includes: heating cartridge, chromed tee, control panel, o-rings & key - Boost mode - Anti-overheating safety (with thermostat and thermofuse) - 230V AC +10%/-20% 50Hz - Thermoplunger class II (EN60335-1) - Electronic control with microprocessor - Pilot thread 6 orders.



Analogical

Temperature setting: 7 to 30°C

White	Power (W)	code
	500	KM0500AB
	750	KM0750AB
	1000	KM1000AB
	1250	KM1250AB

Digital

Temperature setting: 8 to 30°C

White	Power (W)	code
	500	KM0500DB
	750	KM0750DB
	1000	KM1000DB
	1250	KM1250DB



Grey	Power (W)	code
	500	KM0500DG
	750	KM0750DG
	1000	KM1000DG
	1250	KM1250DG

Radiator air vents & drain cocks

For carbon steel radiators.

Packaging:
blister of 10 pcs
or bulk

blister of 10 pcs



bulk

Air vent with adjustable outlet

Ø	packaging	pack	code
1/2"	blister of 10	50/200	BP15
1/2"	bulk	500	BP15V



Plain cap

Ø	packaging	pack	code
1/2"	blister of 10	50/200	BPL15
1/2"	bulk	500	BPL15V



Reduction nipple

Ø	packaging	pack	code
1/2" - 3/8"	blister of 10	50/200	R1512
1/2" - 3/8"	bulk	500	R1512V
1/2" - 1/8"	blister of 10	50/200	R1505
1/2" - 1/8"	bulk	500	R1505V



Mini drain cock with adjustable outlet

Ø	packaging	pack	code
1/2"	blister of 10	50/200	RV15
1/2"	bulk	500	RV15V



Mini drain cock with O-ring

Ø	packaging	pack	code
3/8"	blister of 10	50/200	RV12
3/8"	bulk	50	RV12V



Automatic hygroscopic air vent

Ø	pack	code
1/8"	25	PD05
1/4"	25	PD08
3/8"	25	PD12
1/2"	25	PD15



Conical drain valves

Male - Female

Ø	pack	code
3/8"	25	60112
1/2"	25	60115
3/4"	10	60120



Female - Female

Ø	pack	code
3/8"	25	60212
1/2"	25	60215
3/4"	10	60220



Male & cap

Ø	pack	code
3/8"	25	60312
1/2"	25	60315
3/4"	10	60320



Nozzle

Ø	pack	code
3/8"	25	ZRT12
1/2"	25	ZRT15
3/4"	25	ZRT20



Wheel air vent

Ø	packaging	pack	code
1/8"	blister of 10	50/200	PV05C
1/8"	bulk	100	PV05CV



Wheel air vent with adjustable outlet

Ø	packaging	pack	code
1/8"	blister of 10	50/200	PV05B
1/8"	bulk	50	PV05BV
1/4"	blister of 10	50/200	PV08B
1/4"	bulk	50	PV08BV



Hostaform wheel air vent

Rubber seat & PTFE ring

Ø	packaging	pack	code
1/8"	bulk	50	PV05L



Square driving air vent with adjustable outlet

Ø	packaging	pack	code
1/8"	blister of 10	50/500	PC05B
1/8"	bulk	50	PC05BV



Square driving air vent

Ø	packaging	pack	code
1/8"	blister of 10	50/200	PC05C
1/8"	bulk	100	PC05CV



Key for square driving air vent

	pack	code
4 mm	50	ZCLE4
5 mm	50	ZCLE5



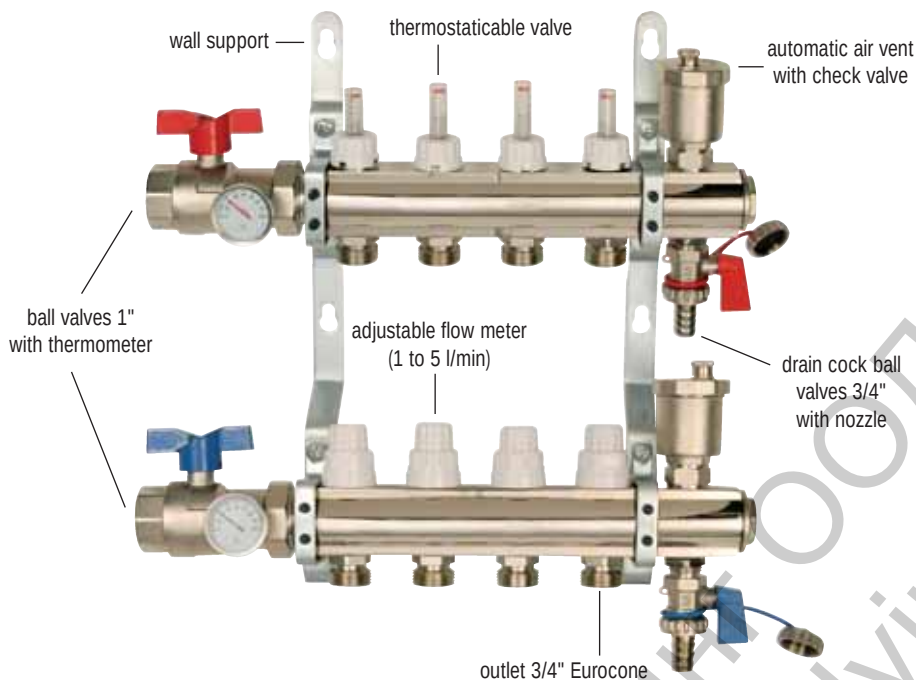
Drain cock ball valve

Ø	code
1/2"	RVC15T



Heating floor components

Distribution manifold



Complete set

Outlets	Dimension (mm)	code
2	270	COLSTC2
3	320	COLSTC3
4	370	COLSTC4
5	420	COLSTC5
6	470	COLSTC6
7	520	COLSTC7
8	570	COLSTC8
9	620	COLSTC9
10	670	COLSTC10



Fittings for plastic pipes



nickel plated

Ø	pack	code
3/4"-13x16	10	680416N
3/4"-16x20	10	680420N



brass

Ø	pack	code
3/4"-13x16	10	680416
3/4"-16x20	10	680420



Electric head

No tension, closed - 0,80 m wire - 230V.

code
TET220



Cap for outlet

Ø	code
3/4"	BOUDERS1



Housing

Adjustable depth 110 mm to 140 mm.

Dimensions	Outlets	code
500x400	3	COF3
500x600	4 to 6	COF6
500x800	7 to 9	COF9
500x1000	10 to 12	COF12



Wall support

(sold by 2)

code
SUPSTC



Flow meter

code
DEBSTC



Drain cock ball valve

code
red ROBSTR
blue ROBSTCB



Thermometer

code
THESTC

Accessories for heating floor slabs



Slab heating cutter

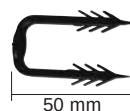
code

CUT

Spare blade

code

LAM



Jumpers

50 mm
(sold by 500)

code

CAV



Screw clamps

for 13x16 & 16x20 pipes
(sold by box of 500)

pack

code

2 boxes

CLIVIS

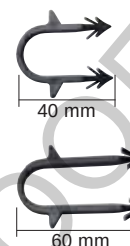


Mechanical staple

for AG40 & AG60

code

AGRAF



Staples

for 13x16 & 16x20 pipes
(sold by box of 300)

pack

code

40 mm

20 boxes

AG40

60 mm

10 boxes

AG60

Precut peripheral insulations

With wiper

(sold by roll)

pack

code

50 m x 150 mm - 8 mm thick.

8 rolls

ISOFB

25 m x 180 mm - 8 mm thick

4 rolls

ISOFB2

50 m x 150 mm - 8 mm thick

8 rolls

ISOFA

(with adhesive wiper for sleek tile)

Self-adhesive with wiper

(sold by roll)

pack

code

50 m x 150 mm - 8 mm thick

4 rolls

ISOFA

Standard

(sold by roll)

pack

code

50 m x 120 mm - 8 mm thick.

10 rolls

ISOST

50 m x 180 mm - 8 mm thick.

6 rolls

ISOST2

50 m x 150 mm - 5 mm thick.

8 rolls

ISOSTM

Cutting pliers

for pipes up to $\varnothing$ 32

blister

code

PINCOU

for pipes up to $\varnothing$ 40

blister

box of 10

code

PINCT

PINCT10

Para-heating protection fluid

pack

code

1 l

12

PAR1

5 l

4

PAR5

Test pump

Max. pressure 50 bar

code

POMEPR

Bending springs

for plastic pipes

code

10 x 12 mm

RES12

13 x 16 mm

RES16

16 x 20 mm

RES20

20 x 25 mm

RES25

Pump

for Para-heating 1 l

for Para-heating 5 l

code

POM1

POM5

for multilayer pipes

code

16 x 2 mm

MCRES16

20 x 2 mm

MCRES20

Tanks for heating

Expansion tanks

■ Closed tanks

Test pressure 6 bar - Working pressure 4 bar - Working temperature -10°C to +99°C -
Max. temperature +110°C - SBR membrane according to DIN 4807 - Carbon steel body.



Standard

Volume (l)	Set pressure (bar)	Connection	Ø (mm)	Height (mm)	code
4	0,5	3/4" M	225	195	V004
8	0,5	3/4" M	220	295	V008
12	1	3/4" M	294	281	V012
18	1	3/4" M	290	400	V018
25	1	3/4" M	324	415	V025

CE
CE



Standard

Volume (l)	Set pressure (bar)	Connection	Ø (mm)	Height (mm)	code
35	1,5	3/4" M	404	387	V035
50	1,5	3/4" M	404	507	V050

CE
CE



Standard

Volume (l)	Set pressure (bar)	Connection	Ø (mm)	Height (mm)	code
80	2	3/4" M	450	608	V080
105	2	3/4" M	500	665	V105
150	2	3/4" M	500	897	V150
200	2,5	3/4" M	600	812	V200
250	2,5	3/4" M	630	957	V250
300	2,5	3/4" M	630	1105	V300
400	2,5	3/4" M	630	1450	V400
500	2,5	1" M	750	1340	V500
600	2,5	1" M	750	1555	V600
700	2,5	1" M	750	1755	V700
800	2,5	1" M	750	1855	V800
1000	2,5	1 1/2" M	850	2100	VMIL

CE
CE
CE
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CE
CE
CE

Flat

Volume (l)	Set pressure (bar)	Connection	Ø (mm)	Height (mm)	code
8	1	3/8" M	387	100	VC53108
10	1	3/8" M	387	110	VC53110
12	1	3/8" M	387	140	VC53112
18	1	3/4" M	387	200	VC53118
6	1	3/4" M	324	100	VC54106
8	1	3/8" M	324	129	VC54108
10	1	3/4" M	324	139	VC54110
12	1	3/4" M	324	169	VC54112



Tanks for heating (continued)

Tank accessories



Equiped wall brackets

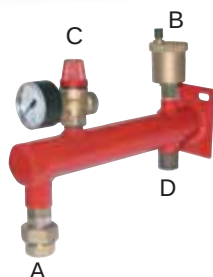
(for tanks up to 25 l)

Includes:

- A. tank union fitting
- B. air vent 3/8" F
- C. safety valve 1/2"
- D. manometer
- E. heating circuit outlet 3/4" M

code

ZSMCI



Includes:

- A. tank union fitting
- B. air vent 3/8" F
- C. safety valve 1/2" with manometer
- D. heating circuit outlet 3/4" M

code

ZSMC



Quick union fitting

(with built-in check valve)

code

RDV20MF

Wall brackets

(for tanks up to 25 l)

With manometer outlet

code

ZSMI



Without manometer outlet

code

ZSM



For solar heating

code

ZSMO



Wall support

(for tanks up to 25 l)

code

SUPVAS



Square for tank

(for tanks up to 25 l)

code

ZSEQ



Pressure controller

(0 to 4 bar)

code

ZCP



Open tanks

Use: for solid fuel (coal, wood, ...) boilers.

Stainless steel

Volume (l)	Connection	Length (mm)	Width (mm)	Height (mm)	code
22	1/2"	530	330	160	VI22
30	1/2"	530	330	220	VI30
50	1/2"	490	345	295	VI50



Galvanised steel

Volume (l)	Connection	Length (mm)	Width (mm)	Height (mm)	code
20	1"	500	260	160	VGR020
30	1"	550	380	150	VGR030
50	1"	550	380	255	VGR050



Polypropylene

Standard (3 inserts)

Volume (l)	Connection	Length (mm)	Width (mm)	Height (mm)	code
22	3/4"	545	290	195	VP22
33	3/4"	545	290	300	VP33
45	3/4"	545	290	395	VP45



Universal (4 inserts)

Volume (l)	Connection	Length (mm)	Width (mm)	Height (mm)	code
22	3/4"	545	290	225	VP22U

Mixing water tanks for heat pumps

To be installed between the boiler and the heat pump - Carbon steel body - Supplied with 4 caps (up to 50 l).



Heating

50 mm polyurethane insulation

Volume (l)	Height (mm)	Ø (mm)	Outlets center distance (mm)	Outlets by side	Ø outlet	code
8	382	294	126	2	1"	BMEL08SK
12	526	294	90	4	1"	BMEL12SK
25	790	320	150	4	1"1/4	BMEL25SK

Heating & air conditioning

20 mm polyethylene insulation

Volume (l)	Height (mm)	Ø (mm)	Outlets center distance (mm)	Outlets by side	Ø outlet	code
25	790	320	150	4	1"1/4	BMEL25CF
50	1010	313	200	4	1"1/4	BMEL50SK
*100	949	440	175	4	1"1/4	BMEL100SKM
**100	954	450	175	4	1"1/4	BMEL100SK
**200	1438	510	330	4	1"1/4	BMEL200SK
300	1515	620	275/300	4	1"1/2	BMEL300SK
500	1816	720	350/380	4	2"	BMEL500SK



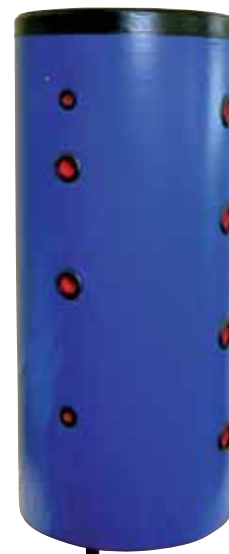
50 litres



*100 litres



**100 & 200 litres



300 & 500 litres

Injection tank

For heating and air conditioning: anti-frost and glycol filling.

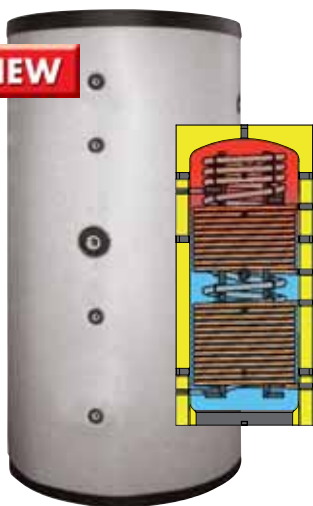


Supplied with funnel



Volume (l)	Ø	code
12	3/4"M - 1"M	BI12J
25	3/4"M - 1"M	BI25J

NEW



Storage and exchanger tanks

Heating water storage and sanitary water production tank

Up to 3 different heating sources, with an additional electric supply -
Used for solid fuel boilers, biomass and solar heating system - Carbon steel body -
2 carbon steel pipe exchangers - 1 stainless steel 316L pipe for instant sanitary hot water production -
100 mm soft polyurethane insulation.

Capacity (l)	Net volume (l)	code
570	503	BSE0570
800	738	BSE0800
1000	855	BSE1000
1500	1324	BSE1500
2000	1829	BSE2000



Connection set for thermostatic mixing valve

code

KSBSE

Heating water storage tank

For discontinuous heating boilers (such as wood boilers) - Carbon steel body -
100 mm soft polyurethane insulation, white plastic coated (heat conductivity 0,038 W/mK) -
1"1/2 outlet for additional electric resistance - Storage: max. pressure 3 bar, max. temperature 99°C -
Exchanger: max. pressure 12 bar, max temperature 99°C.

Without exchanger

Capacity (l)	code
500	BS0500V
800	BS0800V
1000	BS1000V
1500	BS1500V

With carbon steel pipe exchanger

Capacity (l)	Exchanger surface (m ²)	code
500	2,10	BS0500SE
800	2,45	BS0800SE
1000	3,00	BS1000SE
1500	3,70	BS1500SE

Resistances and heating water heaters

Resistances

Incoloy thermoplungers - 1"1/2 connection - For 100 to 500 l tanks -
Control and safety thermostats (manual reset) - 2 m wire.

Thermostats	Power (kW)	Max. power (W/cm ²)	Plunger length (mm)	code
230V 30-70°C Safety: 90°C	2	8,5	320	RES2000TM
	3	10,3	320	RES3000TM
	6	10,3	380	RES6000TM
3-400V 30-75°C Safety: 98°C	2	10,1	229	RES2000TT
	3	10,0	314	RES3000TT
	4	10,0	399	RES4000TT
	5	12,5	400	RES5000TT
	6	15,1	400	RES6000TT



Mounting key

code

ZCLER

Heating water heaters

Stainless steel 304 body - Insulated body - Incoloy-800 resistances - Max. glycol 25% - 1" F connections - Control and safety thermostats (manual reset) - Wall support - 2 m wire.



Thermostats	Power (kW)	Max. power (W/cm ²)	code
230V 30-70°C Safety: 90°C	3	3,2	RB03000M
	6	6,5	RB06000M
3-400V 30-75°C Safety: 98°C	3 x 1	3,2	RB03000T
	3 x 2	6,5	RB06000T
	3 x 3	9,7	RB09000T

Safety valves

Safety valves

■ Brass body

Pre-set (bar)	Ø	pack	code
2,5	1/2" FF	10	23120V
3	1/2" FF	10	23130V
4	1/2" FF	10	23140V
2,5	3/4" FF	10	23220V
3	3/4" FF	10	23230V
4	3/4" FF	10	23240V

Pre-set 6 to 10 bar,
see page 215

Pre-set (bar)	Ø	pack	code
3	1/2" MF	10	23030V

With manometer - Sold by 10 pcs only.

Pre-set (bar)	Ø	pack	code
3	1/2" FF	10	23132V

■ Bronze body

Pre-set (bar)	Discharge capacity		Ø	code
	kW	kcal/h		
3	169	146 000	1/2" FF	S15G
3	269	232 000	3/4" FF	S20G3
4	337	290 000	3/4" FF	S20G4
5	400	344 000	3/4" FF	S20G5

Pre-set (bar)	Discharge capacity		Ø	code
	kW	kcal/h		
3	503	433 000	1" FF	S26G3
4	627	540 000	1" FF	S26G4
5	748	643 000	1" FF	S26G5

■ High temperature - Solar heating

Brass body - Max. temperature 110°C.

Pre-set (bar)	Ø	code
3	1/2" F-3/4"	27030V
6	1/2" F-3/4"	27060V

Bronze body - Max. temperature 160°C - Max. power 100 kW.

Pre-set (bar)	Ø	code
6	3/4" FF	SHT20G6
10	3/4" FF	SHT20G10

Funnel
Carbon steel

	Ø	code
250 x 100 mm	2"	ZE50
400 x 100 mm	2"1/2	ZE65

NEW

Differential valve

Brass body - With free nuts - Max. temperature 110°C - Max. pressure 10 bar - Adjustable 0,1 to 0,6 bar differential.

Ø	code
3/4"	SDD

Air vents & separators

Automatic air vents

Compact



Brass

Ø	pack	code
3/8" M	10	41013V
1/2" M	10	41014V

Standard



Brass

Ø	pack	code
3/8" M	10	42003V
1/2" M	10	42004V

Check valve for air vents



Ø	pack	code
3/8"	10	39903V
1/2"	10	39904V

NEW



Solar

Brass - Max. temperature 180°C.

Ø	pack	code
3/8" M	10	PRHT12V
1/2" M	10	PRHT15V

NEW



Shut-off valve

Brass - Max. temperature 180°C.

Ø	code
3/8"	ZVS12HTV
1/2"	ZVS15HTV

Heavy duty



Cast iron - BSP threaded - Max. pressure 10 bar -
Max. temperature 120°C.

DN	code
3/4"	PF20

Dirt separators



For domestic use

Carbon steel

Volume (l)	Ø	code
4	1"	PID05
10	1 1/4"	PID07

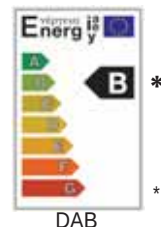


For collective use

Carbon steel - Male connections for DN50, flanged above.

Volume (l)	Ø	code
80	50	PD050
100	65	PD065
130	80	PD080
200	100	PD100
300	125	PD125
500	150	PD150

Circulators for domestic use



* Except VA65, VB65 & VS65: class C

DAB

3 speeds - 230V (50Hz) - Supplied with gaskets.

With union fittings



	Ø	Length (mm)	pack	code
VA 25/130	1"1/2	130	1/6	VA25130
VA 25/180	1"1/2	180	1/6	VA25180
VA 35/130	1"1/2	130	1/6	VA35130
VA 35/180	1"1/2	180	1/6	VA35180
VSA 35/130	1"1/2	130	1/6	VSA35130
VSA 35/130-26	1"	130	1/6	VSA3513026
VSA 35/180	1"1/2	180	1/6	VSA35180
VA 55/130	1"1/2	130	1/6	VA55130
VA 55/180	1"1/2	180	1/6	VA55180
VA 55/180X	2"	180	1/6	VA55180X
VA 55/130-26	1"	130	1/6	VA5513026
VA 65/130	1"1/2	130	1/6	VA65130
VA 65/180	1"1/2	180	1/6	VA65180
VA 65/180X	2"	180	1/6	VA65180X
VSA 65/180	1"1/2	180	1/6	VSA65180

Solar range

With oval flanges



	Length (mm)	pack	code
VB 35/120	120	1/6	VB35120
VB 55/120	120	1/6	VB55120
VB 65/120	120	1/6	VB65120

Ball valve free nut 1"1/2 & outlet F 1"



code
VS4026

Oval flanges with bolts DN25 (sold by set of 2)

Ø	pack	code
3/4" F	50	ZCB20
1" F	35	ZCB26
1"1/4 F	25	ZCB33

Union fittings (sold by 2)

For threaded circulators Ø 1"1/2

Threaded

Ø	pack	code
3/4" F	24	ZRU20
1" F	24	ZRU26
1"1/4 M	24	ZRU33M

Welding

Ø	pack	code
22	50	ZRCU22
28	50	ZRCU28

For threaded circulators Ø 2"

Threaded

Ø	pack	code
1"1/4 F	24	ZRU33F

Threaded oval flanges 1"1/2 with gaskets & bolts (sold by set of 2)

code
ZBO40

Adaptors 1"1/2 F - 2" M with gaskets (sold by set of 2)

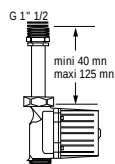
code
ZF4050

E set 1"1/2 threaded with gasket M/F 1"1/2

code

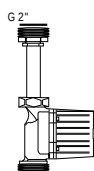
Brass extension 20 mm
Brass extension 30 mm

ZKE40
ZKE4030



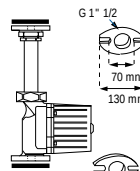
A set for Ø 1"1/2

code
ZKA



B set for Ø 2"

code
ZKB



C set for oval flanges DN25/32

code
ZKC



Circulators for hot water service

Vortex

Brass body - Includes valve, check valve,
1/2" M union fittings.

With clock & thermostat 45/65°C

With clock, without thermostat

code

V152HT

V152H



Body FF 1/2" -

Without clock & thermostat.

code

V152F



DAB

Bronze body.

	Ø	Length (mm)	code
VS 8/150	1"1/2	150	VS08150
VS 16/150	1"1/2	150	VS16150
VS 35/150	1"1/2	150	VS35150
VS 65/150	1"1/2	150	VS65150

Brass threaded union fittings

(sold by 2)

Ø	pack	code
1/2" F	50	ZRUL15
3/4" F	50	ZRUL20
1" F	50	ZRUL26

Circulators for collective use

3 speeds for 230V, 2 speeds for 3-400V - Length 180 mm.



	Ø	code
230V (50Hz)	1"1/2	A50180M
	2"	A50180XM
	1"1/2	A56180M
	2"	A56180XM
	1"1/2	A80180M
	2"	A80180XM
	2"	A110180XM

	Ø	code
3-400V (50Hz)	2"	A50180XT
	2"	A56180XT
	2"	A80180XT
	2"	A110180XT

3 speeds - 3-400V (50Hz) - Fluid -10°C to +110°C.



Single

Double

DN	Length (mm)	code	code
40	250	BMH3025040T	DMH3025040T
		BPH6025040T	DPH6025040T
		BPH12025040T	DPH12025040T
50	280	BMH3028050T	DMH3028050T
		BMH6028050T	DMH6028050T
		BPH6028050T	DPH6028050T
		BPH12028050T	DPH12028050T
		BPH15028050T	DPH15028050T
		BPH18028050T	DPH18028050T

Single

Double

DN	Length (mm)	code	code
65	340	BMH3034065T	DMH3034065T
		BMH6034065T	DMH6034065T
		BPH6034065T	DPH6034065T
		BPH12034065T	DPH12034065T
		BPH15034065T	DPH15034065T
		BPH18034065T	DPH18034065T
80	360	BMH3036080T	DMH3036080T
		BMH6036080T	DMH6036080T
		BPH12036080T	DPH12036080T
		BPH15036080T	DPH15036080T
		BPH18036080T	DPH18036080T

Speed variation on request



Regulation

Mixing valves

Max. temperature +110°C - Max. pressure 6 bar - Rotation 90° - Stainless steel stem - Tightness with 2 o-rings - Brass: recommended for heating floor & installations with plastic & multilayer pipes - Not concerned by 97/23/CE.

Threaded



Cast iron

Ø	3 ways					4 ways				
	3/4"	1"	1"1/4	1"1/2	2"	3/4"	1"	1"1/4	1"1/2	2"
kvs	13	17	24	31	41	13	17	24	31	41
code	V3V20	V3V26	V3V33	V3V40	V3V50	V4V20	V4V26	V4V33	V4V40	V4V50



Brass female

Ø	3 ways				4 ways			
	1/2"	3/4"	1"	1"1/4	1/2"	3/4"	1"	1"1/4
kvs	4	6,3	8	15	4	6,3	8	15
code	VC3V15	VC3V20	VC3V26	VC3V33	VC4V15	VC4V20	VC4V26	VC4V33



Brass male

Ø	3 ways			4 ways		
	3/4"	1"	1"1/4	3/4"	1"	1"1/4
kvs	4	6,3	8	4	6,3	8
code	VC3V20M	VC3V26M	VC3V33M	VC4V20M	VC4V26M	VC4V33M

Flanged PN6



Cast iron

Ø	3 ways						4 ways					
	50	65	80	100	125	150	50	65	80	100	125	150
kvs	69	90	150	225	280	400	69	90	150	225	280	400
code	VB3V050	VB3V065	VB3V080	VB3V100	VB3V125	VB3V150	VB4V050	VB4V065	VB4V080	VB4V100	VB4V125	VB4V150

Set of flanges PN6 with gaskets and bolts

Ø	50	65	80	100	125	150
code	ZCBP050	ZCBP065	ZCBP080	ZCBP100	ZCBP125	ZCBP150

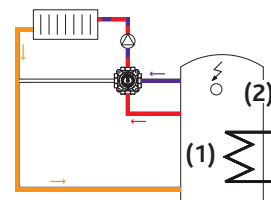
For solar, solid fuel boilers & heat pumps

Gives priority to the cheapest energy before switching gradually to the most expensive one - May be equipped with SME actuators and Automix regulation - To be installed with a mixing water tank.

Brass female



Ø	4 ways				
	3/4"	3/4"	1"	1"	1"1/4
kvs	4	6,3	6,3	10	10
code	VMB2004	VMB2006	VMB2606	VMB2610	VMB3310



Electric actuators for threaded mixing valves

3 positions - Direct mounting.



5 Nm - Complete opening 140 s - 1,5 m wire

SME 130 (230V)

code

SME130 52,58

SME 212 (24V)

with connection for Automix 30 regulator
(to be used with Automix 30 only)

code

SME212

10 Nm - Complete opening 670 s - 1,5 m wire

SME 23

for thermostat regulation

code

SME23



Electric actuator for flanged mixing valves

15 Nm - Complete opening 280 s - 230V

code

SME96L

Regulation devices

Based on outdoor temperature - To be used with threaded mixing valves only.

Includes: regulator, water probe, external probe (20 m), power supply, actuator, connectors & mounting pad.



Automix 30 Q

with timer

code

RA30Q



Automix 30 E

without timer

code

RA30E

Diverting valves



3 ways valve - 3 threads 230V actuator, with 120° rotating cycles -
Positioning indicator on the actuator - Male 1" - Operating time 8 s. - IP40 -
Max. 50 % glycol - Temperature +5°C to +90°C - Supplied with quick connector and 1 m wire.

Ø	Kv	Δ ps (bar)	code
1"	7,5	1	VDB3V26M



3 ways valve, normally closed, spring return - 2 threads 230V actuator - Opening time 18 s -
Closing time 5 s. - IP20 - Max. 50 % glycol - Temperature +2°C to +93°C.

Ø	Kv	Δ ps (bar)	code
1"	6,9	1,3	VDL3V26

Thermic valves for solid fuel boilers

NEW



Thermovar

Ø	Kvs	Opening temperature setting	code
1"	9	45°C	T2645
1"1/4	12	45°C	T3345
1"	9	61°C	T2661
1"1/4	12	61°C	T3361
1"	9	72°C	T2672
1"1/4	12	72°C	T3372



Thermobac

To added to Thermovar in some installations.

Ø	code
1"	CTB26
1"1/4	CTB33

NEW



Thermovar set

For max. 80 Kw boilers - Max. temperature +110°C - Supplied with insulation.

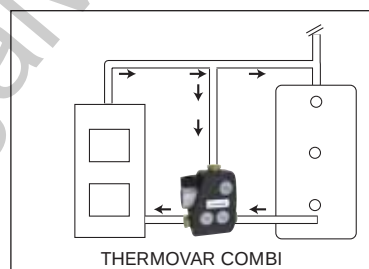
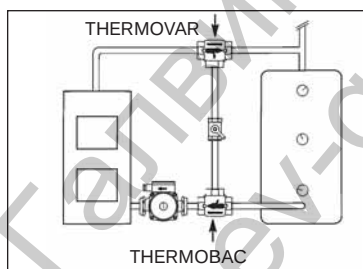
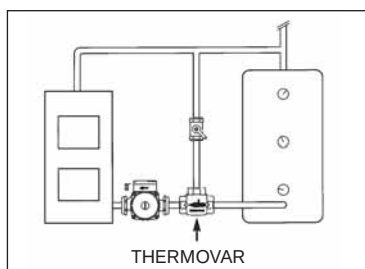
Ø	Opening temperature setting	code
1"1/4	55°C	TC61
1"1/4	60°C	TC72

Pump actuator



code
ZMCTC

The water is heated as long as the temperature setting is not reached - The boiler is protected against cold water effects - When the requested temperature is reached, the water flows to the storage tank.



Boiler accessories

Draught regulator for solid fuel boilers



Calorstat R/85

Temperature +30°C to +100°C -
Lever 185 mm - Lifting torque 1kg.

code

R85

Ring 3/4" 1"

Horizontal or vertical position

code

243G2620

Spare cartridge

code

ZCR85

Draught stabilizers



Moderator (Georgin) in steel

B 1 (Ø 97 to 140)
B 2 (Ø 140 to 200)
B 3 (Ø 200 to 280)
M 4 (Ø 280 to 344)
M 5 (Ø 400 to 448)

code

SB1
SB2
SB3
SM4
SM5



Regulator in cast aluminium

R 1 (Ø 111 to 139)
R 2 (Ø 139 to 180)
R 3 (Ø 180 to 220)

code

SR1
SR2
SR3



Complete boiler set

Complete boiler set

Includes:

- pipes with wall support, male threaded 1"
- 4 ways mixing valve, free nuts 3 x 1", 1 x 1 1/2"
- expansion tank 18 l, union fitting
- circulator VA 35/180, 3 speeds
- antithermo-siphon check valve
- safety valve with manometer - 3 bar
- 2 ball valves, male threaded 1"
- fill-in ball valve, male threaded 1/2"
- 2 flexible hoses, 1 m long, stainless steel braided, free nut female threaded 1" & angle type female threaded 1"
- gaskets 13 x 1", 2 x 1 1/2"

code

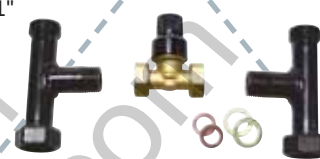
KDC30



Differential safety valve & pipes

code

SDKDC30



Modular boiler sets

Supplied with: insulation, ball valves with thermometers, antithermo-siphon check valve, wall bracket & 1" M connections.

A - With 3 ways mixing valve

code

With circulator VA 35/130

KDC25VMC

Without circulator

KDC25VM

B - Without mixing valve

code

With circulator VA 35/130

KDC25MC

Without circulator

KDC25M

C - Distribution pipes

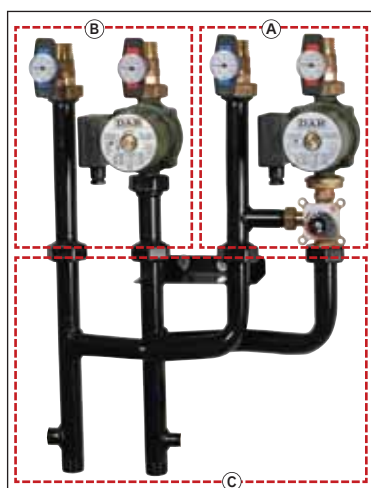
code

For 2 modular boiler sets

COL2K

For 3 modular boiler sets

COL3K



Valves with thermometer

* With antithermo-siphon check valve

	Inlet	Outlet	code
* Red handle	1 1/2 free nut	1" M	VTR40
Blue handle	1" M	1 1/2 free nut	VTB40M
Blue handle	1" M	1" M	VTB26



Antithermo-siphon check valves

Free nut check valve

Direct mounting on union connected circulator -
Declutchable for drainage.



Ø union connected circulator	code
1 1/2 - 1" M	CATET



Thermostop check valve

Direct mounting on union connected circulator -
Declutchable for drainage - Max. temperature +130°C - Max. pressure 10 bar -
Opening pressure 0,02 bar.

Ø union connected circulator	code
1 1/2	CT26
2"	CT33

Thermostats & aquastats

■ Programmable thermostats

Temperature range 5° to 30°C -
3 modes: comfort, eco, anti-frost -
4 weekly pre-set & adjustable programs -
Circulator degumming - Supplied with 3 batteries -
Protection IP20 - Changeover contact.



Standard

Weekly - Class II -
Contact rating 5(2) A 250V.

code

TA578H



Radio transmission

Weekly - Class III - Transmission frequency 868 MHz -
Coverage 100 m outdoor, 30 m indoor -
Receiver: changeover
contact 1 RT 10 A 230V.

code

TA578HR

■ Standard thermostats

Temperature setting 7°C to 30°C -
Anti-frost +5°C -
Changeover contact 16 (2,5) A 250V -
Differential < 1°K.



Standard

Basic
With season change switch

code

TA2
TA2EH

■ Aquastats with spring

Manual reset - Protection IP40 -
Pre-set 60°C - Temperature setting 40°C to 70°C -
Changeover contact 10 (2,5) A 250V.



Aquanorm

code

AARM



Temperature setting 20°C to 90°C -
 Δt 8°K $\pm$ 2°K - Protection IP40.

Standard external setting

Changeover contact 15 (2,5) A 250V.

code

AAR



Setting under protection housing

Dry contact 15 (2,5) A 250V.

code

AARC

■ Thermostats in tight container



Protection IP54 -
Changeover contact 16 (2,5) A 250V -
 Δt 2°K $\pm$ 1°K.

Temperature setting 0°C / 40°C

Temperature setting -5°C / +35°C

code

TAE1

TAE2



Protection IP44 -
Changeover contact 10 (2,5) A 250V -
Sensor $\varnothing$ 9,5 x 80 mm.

Temperature setting 0°C to 55°C

Δt 3°K $\pm$ 1°K

code

TAC31



Protection IP54 -
Changeover contact 16 (2,5) A 250V -
Sensor $\varnothing$ 5 x 95 mm - Capillary 2 m -
 Δt 3°K $\pm$ 1°K.

Temperature setting 0°C to 40°C

Probe $\varnothing$ 6 x 119 mm

code

TAC32

Temperature setting -35°C to +35°C

Probe $\varnothing$ 6 x 140 mm

code

TAC33

■ Aquastats with plunger

Temperature setting 0 $\pm$ 5/90 $\pm$ 3°C -
1/2" fitting - Protection IP40 -
Changeover contact 10 (2,5) A 250V.



Δt 4°K $\pm$ 1°K

Sensor 100 mm

Sensor 200 mm

code

ATC2

ATC21

■ Aquastat with dual plunger

Aquastat & safety limiter

1/2" fitting - Protection IP40 - Sensor 100 mm -
Aquastat: temperature setting 0/90°C -
 Δt 4°K $\pm$ 1°K - Changeover 10 (2,5) A 250V -
Safety limiter: temperature setting 90/110°C -
Pre-set 110°C - Tolerance 0/-6°C -
Contact 10 (2,5) A 250V.



code

ATLSC

M anometers

■ Dry - Plastic (ABS) box

Ø 50 - Axial

Pressure (bar)	Ø connection	pack	code
0 - 4	1/4"	100	MA04N
0 - 6	1/4"	100	413006TH
0 - 10	1/4"	100	413010

Ø 50 - Radial

Pressure (bar)	Ø connection	pack	code
0 - 4	1/4"	100	MR04N
0 - 6	1/4"	100	413106
0 - 10	1/4"	100	413110

Ø 80 - Radial

Pressure (bar)	Ø connection	code
0 - 4	1/2"	M80R04
0 - 10	1/2"	M80R10

Ø 63 - Axial

Pressure (bar)	Ø connection	code
0 - 6	1/4"	M63A06
0 - 10	1/4"	M63A10

Ø 63 - Radial

Pressure (bar)	Ø connection	code
0 - 6	1/4"	M63R06
0 - 10	1/4"	M63R10

Ø 100 - Radial

Pressure (bar)	Ø connection	code
0 - 6	1/2"	M100R06
0 - 10	1/2"	M100R10

■ Glycerin filled - Stainless steel box

Brass connection - Max. temperature 60°C - Class 1,6 - Polycarbonate glass.

Ø 50 - Axial

Pressure (bar)	Ø connection	code
0 - 2,5	1/4"	413203
0 - 6	1/4"	413206
0 - 10	1/4"	413210
0 - 16	1/4"	413216

Ø 50 - Radial

Pressure (bar)	Ø connection	code
0 - 2,5	1/4"	413303
0 - 6	1/4"	413306
0 - 10	1/4"	413310
0 - 16	1/4"	413316

Ø 63 - Axial

Pressure (bar)	Ø connection	code
0 - 2,5	1/4"	413403
0 - 6	1/4"	413406
0 - 10	1/4"	413410
0 - 16	1/4"	413416
0 - 25	1/4"	413425

Ø 63 - Radial

Pressure (bar)	Ø connection	code
0 - 2,5	1/4"	413503
0 - 6	1/4"	413506
0 - 10	1/4"	413510
0 - 16	1/4"	413516
0 - 25	1/4"	413525

■ Hydrometer

Ø 63 - Radial

Pressure (mCe)	Ø connection	code
0 - 10	3/8"	H10
0 - 20	3/8"	H20

■ Thermomanometer

Ø 80 - Axial

20 to 120°C - With socket for dismantling without draining.

Pressure (bar)	Ø connection	pack	code
0 - 4	1/2"	60	MTA

■ Manometer valves

Ø	pack	code
1/4"	50	ZRI08
3/8"	50	ZRI12
1/2"	25	ZRI15

PN10

Ø	code
1/4"	1306002
3/8"	1306003
1/2"	1306004

Push open valve

PN4

Ø	code
1/4"	9880302
1/2"	9880304

Thermometers

Bi-metal

With spring tie

Temperature 0 to 120°C - Ø 63 -
For pipe up to 1".



pack	code
50	TR

With copper tie

Temperature 0 to 120°C - Ø 63 -
For pipe up to 1 1/2".



pack	code
50	TB

With plunger



Ø dial	Ø connection	Temperature	Plunger length (mm)	pack	code
63	1/2"	0°C to 120°C	45	50	T063A
80	1/2"	0°C to 120°C	45	50	T080A
100	1/2"	0°C to 120°C	45	50	T100A
160	1/2"	0°C to 120°C	45	50	T160A



Ø dial	Ø connection	Temperature	Plunger length (mm)	pack	code
63	1/2"	0°C to 120°C	100	50	T063AL100
100	1/2"	0°C to 120°C	100	50	T100AL100
100	1/2"	0°C to 120°C	200	50	T100AL200
80	1/2"	-30°C to 50°C	100	50	T3050



Ø dial	Ø connection	Temperature	Plunger length (mm)	pack	code
80	1/2"	0°C to 120°C	45	50	T080R

Quick reactivity



Ø dial	Ø connection	Temperature	Plunger length (mm)	code
60	3/8"	0°C to 100°C	45	TRI

Gas & smokes



Ø dial	Temperature	Plunger length (mm)	code
80	0°C to 500°C	150	TGAZ

Boilers & industry

Easy reading - Glass pipe filled with alcohol - Ø 1/2".

Straight



Temperature 0°C to 120°C

Height (mm)	Plunger length (mm)	code
150	63	TI150D
200	63	TI200D
200	100	TI200DL100

Temperature -30°C to 50°C

Height (mm)	Plunger length (mm)	code
150	63	TI150D3050
200	63	TI200D3050
200	100	TI200DL1003050



Angle

Temperature 0°C to 120°C

Height (mm)	Plunger length (mm)	code
150	63	TI150E
200	63	TI200E
200	100	TI200EL100

Temperature -30°C to 50°C

Height (mm)	Plunger length (mm)	code
150	63	TI150E3050
200	63	TI200E3050
200	100	TI200EL1003050

Solar heating equipment



Solar expansion tanks Solar Varem

(especially designed for solar heating)

Preset pressure 2,5 bar - Maximum working pressure 6 bar - Testing pressure 9,6 bar -

Temperature range -10°C to +110°C - Nitrile membrane - Connexion Male 3/4" - Red colour.

Volume (l)	code
------------	------

18	V718
----	------

25	V725
----	------

NEW

40	V740
----	------

NEW

60	V760
----	------

NEW

100	V7100
-----	-------

NEW

200	V7200
-----	-------

NEW

300	V7300
-----	-------



Expansion tanks Vexbal

(used for solar heating)

Preset pressure 3 bar - Maximum working pressure 10 bar - Temperature -10°C to +99°C -

Butyl membrane - Connexion Male 3/4" - White colour.

Volume (l)	code
------------	------

12	VEX11
----	-------

18	VEX18
----	-------

25	VEX25
----	-------



Solar circulators

Max. temperature 140°C.

	Ø	Length (mm)	code
VSA 35/130	1 1/2"	130	VSA35130
VSA 35/130-26	1"	130	VSA3513026
VSA 35/180	1 1/2"	180	VSA35180
VSA 65/180	1 1/2"	180	VSA65180

NEW



Solar air vent

Brass - Max. temperature 180°C.

Ø	code
3/8" M	PRHT12V
1/2" M	PRHT15V

NEW



Solar safety valve

Brass - Max. temperature 110°C.

Pre-set (bar)	Ø	code
3	1/2"F-3/4"F	27030V
6	1/2"F-3/4"F	27060V

NEW



Solar shut-off valve

Brass - Max. temperature 180°C.

Ø	code
3/8"	ZVS12HTV
1/2" M	ZVS15HTV



Solar thermostatic mixing valve

Nickel plated body - Male union connections - Temperature range 30 - 65°C -

Max. temperature 110°C - Max. pressure

7 bar - Ratio between supply pressures 5:1 -

Flow rate (at 1 bar): 2,4 Kv (m³/h).

Volume (l)	code
------------	------

3/4"	MTY78A20
------	----------



Solar set

Includes:

- 1 - antithermo-siphon check valve
- 2 - solar circulator VSA 35/130-26
- 3 - flow meter
- 4 - wall bracket
- 5 - manometer
- 6 - solar safety valve 6 bar
- 7 - quick fitting
- 8 - solar expansion tank 12 l

code
Complete solar set KDSOL



Flow meter

3 valves (fill-in, draining and flow-regulation) - Max. temperature 110°C - Connexion 1".

code
ZDEBIT



Antithermo-siphon check valve

Declutchable - Max. temperature 110°C - Connexion free nut 1" and Male 3/4".

code
ZCLAD



Wall bracket for tank

(especially designed for solar heating)

code
ZMSO



Quick union fitting for tank

Built-in check valve (pressure control of the tank without draining).

code
RDV20MF



Tank support set

(up to 25 l) Includes: square, 50 cm stainless steel flexible hose, FF 3/4 fitting, high temperature fiber gaskets.

code
KMVS

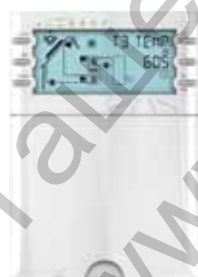


Manometer

Pressure range: 0 to 10 bar - Radial Ø 50 - Connexion 1/4".

code
413110

NEW



Solar controller

Easy installing and easy use - Supplied with 3 probes (1 sensor probe 1.5m, 2 sensor probes 2.5m, 4th optional) - 3 mechanical relay outlets - 4 probe fittings - Class 2 - IP20 - Dimensions 110x155x45 - Screen 84x45 - Rail DIN mounting - 3 access levels: user, professional settings, wiring - 13 combinations: ecological, economical and holidays modes - Built-in clock: boost or programmable mode; anti-bacterian, temperature and anti-frost protections.

code
Complete controller RS13

Sensor probe
Tank probe
Glove finger 1/2"
Glove finger 3/4"

code
SRSC
SRSB
DGRS15
DGRS20

Connections to solar panels, see page 178



Mixing valves, see page 203



Self-regulating heating cable



Sold by 150 m - The given-out power changes according to the room temperature - Every meter marked - 230V.



Main applications

Frost protection

Power at 10°C: 12 W/m -
Self-regulating temperature: 55°C.

Cover

Metal braid

Metal braid & polyolefine sheath

code

5BMS

5BMX

Temperature control

Power at 10°C: 31 W/m -
Self-regulating temperature: 65°C.

Metal braid

Metal braid & polyolefine sheath

20BMS

20BMX

Roof snow removal & ramp protection

Electric protection: IPX7 -
Power at 10°C: 31 W/m -
Self-regulating temperature: 65°C.

Metal braid & fluorised polymere sheath

20BMF

Connections



code

U

Universal connection

Power supply for 1 or 2 cables - Connection 2 to 4 cables -
Electric protection: IP65.



code

MANTER

Terminations (sold by 5)



Thermostat with contact probe

3 m probe

Anti-frost protection: 0°C/40°C (16A)

Temperature control: 10°C/110°C (10A)

code

TH40

TH110



Thermostat - Humidostat

(includes thermostat, sensor and probe)

code

Roof snow removal

Ramp, slab and road protection

THT

THS

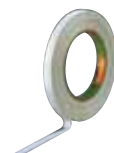


Pipe clamps (sold by 100)

Up to Ø 60

code

COL

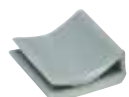


Fiber glass self-adhesive tape

50 m x 12 mm

code

FIB



Gutter clips (sold by 50)

code

CLIP



Aluminium self-adhesive tape

50 m x 50 mm

code

ALU