RADIANT CONTROL

Technical Datasheet

Anti-Freeze Valves

The installation of two anti-freeze valves, one on the flow, the other on the return, is recommended. Otherwise the pipe that does not have it may not be emptied and may be damaged by any freezing.

The installation position is outside the building, at the lowest point of the system, in a position close to the heat pump.

Technical specifications

- Forged body in brass alloy. Yellow brass finish;
- Maximum static pressure 10 bar (PN 10);
- Maximum medium temperature: 90 °C
- Ambient temperature range: -30°C to +50 °C
- Opening start medium temperature: +3°C
- Closing start medium temperature: +4°C
- Accuracy: ±1°C
- Fluid discharge rate: ..... L/min
- Kvs: 68,0
- Inspectable vent;
- Inspectable cartridge for cleaning and replacing the sensor.

External connections available:

1" Male flat seal
28mm
1"¼ Male flat seal

Size	Code
1"	RNW-AFV1-BRV
28mm	RNW-AFV28-BRV
1"¼	RNW-AFV114-BRV

Fill & Drain Valves

Ball valve in hot forged brass to fill and drain solar thermal systems. One-piece-body provided with two side ¾" hose union valves with plug.

Technical specifications

- DN20, flow rate up to 70 L/min.
- End thread 1" Female to ISO 228 (DIN 259 BSP 2779).
- Supplied with insulating T handle.
- PN 10. Constant temperature 120°C;
  (short time temperature: 160°C for 20 s).

External connections available:

1" Female x 1" Female, 15mm, 18mm, 22mm and 28mm for copper pipe with adapters.
Kvs Value: 17.0

Size	Code
15 mm	15525ISO
18 mm	18525ISO
22 mm	22525ISO
28 mm	28525ISO
1"	04525IS

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Flow Meter Regulators

Straight flowmeter with flow regulation, male threaded on both ends, from ¾" to 1"½, for solar, heating and hydronic applications.

Technical specifications

- Direct reading of the flowrate through the graduated scale.
- Ball valve for flow rate adjustment. A careful sizing of the article provides very little head losses.
- PN 10. Constant temperature 120°C; (short time temperature: 160°C for 20 s).

Flow rate ranges for DN15
06 = 1-6 l/min 12 = 2-12 l/min
28 = 8-28 l/min 38 = 8-38 l/min

Flow rate ranges for DN20
42 = 5-42 l/min
70 = 20-70 l/min

External connections available:

- DN15: 22 mm compression, ¾" and 1".
- DN20: 1", 1"¼ and 1"½.

Size	Code
22 mm	22654DN15-xx
¾" Male	03654DN15-xx
1" Male	04654DN(15/20)-xx
1"¼ Male	05654DN20-xx
1"½ Male	06654DN20-xx

Filter Ball Valves

Ball valve with filter in hot forged brass.
To fill the system. Nickel plated. End threaded to ISO 228 (DIN 259 BSP 2779). Provided with steel handle, PVC covered. Individual or multiple package.

Technical specifications

- Stainless steel filtering mesh: 0.5 mm.
- PN 16.
- Max Temperature 120°C.
- Size: ½", ¾", 1", 1"¼ and 1"½

Kvs values:

- ½" : 5,3
- ¾" : 5,6
- 1" : 12,0
- 1"¼ : 20,0
- 1"½ : 40,0

Size	Code
½"	02514/A
¾"	03514/A
1"	04514/A
1"¼	05514/A
1"½	06514/A

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