

Fig. 1900 Thermal Balancing Valves



FEATURES AND BENEFITS

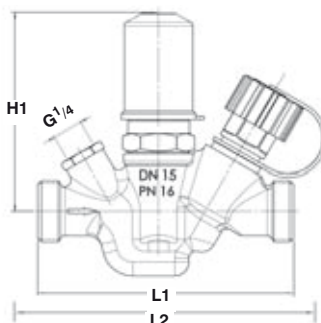
- Ideal for domestic hot water systems to assist with protection against Legionella
- Provides self-balancing, thermostatically controlled regulation of flow and disinfection
- Suitable for circuits greater than 10 metres in length
- Thermostatically controlled regulation of the volume flow – self-balancing
- Assists with disinfection at temperatures above 70°C by increasing the flow automatically
- Has an accuracy of +/- 1°C

MATERIAL SPECIFICATION

Component	Material	Specification BS EN
Body	Bronze	BS EN 1982 CC491K
Upper part	Bronze	BS EN 1982 CC491K
Valve stem	Bronze	BS EN 1982 CC491K
Valve cone	Bronze	BS EN 1982 CC491K
Upper part seal, valve stem seal	EPDM	70 EPDM
Closing upper part valve cone seal	PTFE	Teflon
Drain plug	Bronze	BS EN 1982 CC491K
Closing handle	Plastic	Polyacetal (PA)
Plate / clamping band	Plastic	Polyacetal (PA)



DIMENSIONAL DRAWINGS



PRESSURE/ TEMPERATURE RATING

Max Temperature 90°C
Nominal Pressure PN16

OPERATION

When the set point is preset to 57°C, the valve remains completely open up to a valve temperature of 52°C.

Between 52°C and the preset set point of 57°C, the valve starts to close. When the set point temperature has been reached, a minimum volume flow is continuously flowing through the circulation system.

If the storage temperature is further increased to temperatures greater than 70°C to effect disinfection, the valve increases the flow.

DIMENSIONS AND WEIGHTS

Nom Inside Dia	mm	15	20	25
Height (H1)	mm	85	85	95
Length (L1)	mm	110	123	133
Length (L2) Copper Tails	mm	176	186	200
Length (L2) Mapress Copper	mm	172	174	182
Length (L2) Mepla	mm	174	178	186
Weight	kg	0.7	0.9	1.2
Flow Kv	cmb/h	0.92	1.70	2.71
Drain Valve (G)	BSP	1/4	1/4	1/4

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