



Fig. 2900 & 2910 Thermal Circulation Valves

FEATURES & BENEFITS

- Ideal for domestic hot water systems to assist with protection against Legionella
- Provides self-balancing, thermostatically controlled regulation of flow and disinfection
- Thermal disinfection at temperatures above 70°C
- Compact unit comprising isolation valve with thermometer access point
- Incorporates a settable temperature sensing cartridge, factory pre-set at a standard 57°C
- Has an accuracy of +/- 2°C at set temperature
- WRAS Approved

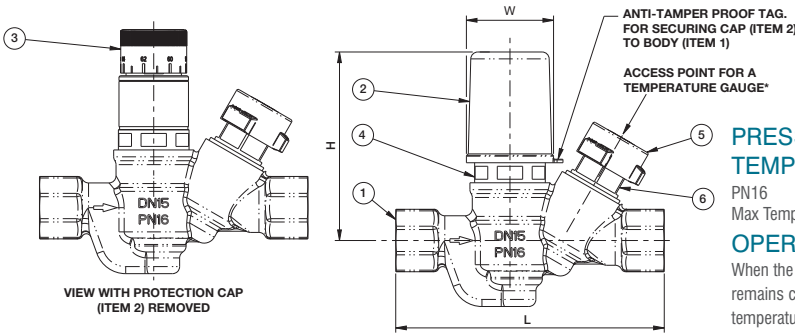


MATERIAL SPECIFICATION

No.	Component	Material	Specification
1	Body	Bronze	BS EN 1982 CC491K
2	Protective Cap (Removable)	Polypropylene	-
3	Temperature Adjusting Cap - TU	Nylon 6	-
4	Bonnet and Associated Parts - TU	DZR Brass	BS EN 12164 CW602N
5	Handwheel - Isolation Unit (IU)	Nylon 6	-
6	Bonnet - IU	DZR Brass	BS EN 12164 CW602N
INT	Stem - Thermal Unit (TU)	Stainless Steel	SS EN10088-3 1.4305
INT	Body Seat - TU	DZR Brass	BS EN 12164 CW602N
INT	Plug - TU	DZR Brass	BS EN 12164 CW602N
INT	Bush - TU	DZR Brass	BS EN 12164 CW602N
INT	O-Ring Seals - TU	EPDM Rubber	WRAS Approved
INT	Stem - IU	DZR Brass	BS EN 12164 CW602N
INT	Body Seat - IU	PTFE	WRAS Approved
INT	Stem Seat Retainer - IU	DZR Brass	BS EN 12164 CW602N
INT	O-Ring Seals - IU	EPDM Rubber	WRAS Approved

TU - Thermal Unit
IU - Isolation Unit

DIMENSIONAL DRAWINGS



PRESSURE/TEMPERATURE RATING

PN16
Max Temperature 90°C

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 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.

SPECIFICATION

Taper threaded to BS EN 10226-2

DIMENSIONS & WEIGHTS

Nom Size	Fig. No	Flow	L (mm)	H (mm)	W (mm)	Female End Connections	Weight (Kg)
DN15*	2910	Low Flow	114	80	Ø37	Pipe Thread EN 10226 Rc 1/2"	0.76
DN15*	2900	Standard	114	80	Ø37	Pipe Thread EN 10226 Rc 1/2"	0.76
DN20*	2900	Standard	126	80	Ø37	Pipe Thread EN 10226 Rc 3/4"	0.88

*Thermometer fits all sizes. Available on request

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