

# D2890 / D2880

## Thermal Circulation Valves



PN16

### Features & Benefits

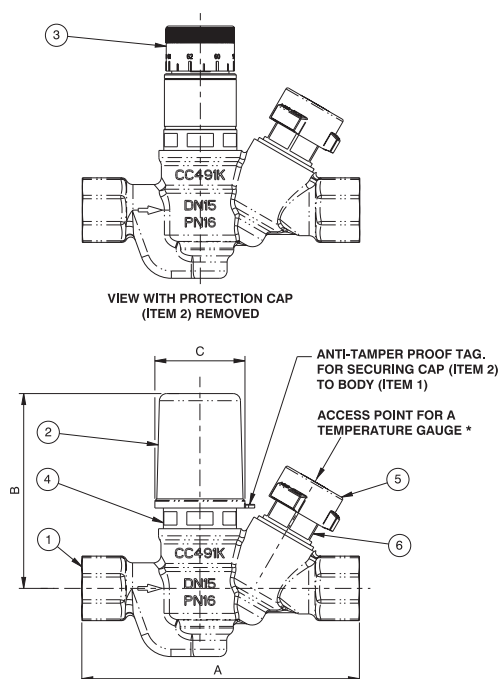
- Anti-stagnation design ensures a clean flow path, minimising fluid entrapment and the growth of bacteria
- Ideal for domestic hot water services to assist with protection against Legionella
- Provides self-balancing, thermostatically controlled regulation of flow and disinfection
- Thermal disinfection 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



### Materials

NO.	PART	MATERIAL	SIZES
1	Body	Bronze	BS EN 1982 CC491K
2	Protective Cap (Removable)	Polypropylene	-
3	Temperature Adjusting Cap	Nylon 6	-
4	Bonnet and Associated Parts	DZR Brass	BS EN 12164 CW602N
5	Handwheel	Nylon 6	-
6	Bonnet	DZR Brass	BS EN 12164 CW602N
INT	Stem	Stainless Steel	SS EN10088-3 1.4305
INT	Body Seat	DZR Brass	BS EN 12164 CW602N
INT	Plug	DZR Brass	BS EN 12164 CW602N
INT	Bush	DZR Brass	BS EN 12164 CW602N
INT	O-Ring Seals	EPDM Rubber	WRAS Approved
INT	Stem	DZR Brass	BS EN 12164 CW602N
INT	Body Seat	PTFE	WRAS Approved
INT	Stem Seat Retainer	DZR Brass	BS EN 12164 CW602N
INT	O-Ring Seals	EPDM Rubber	WRAS Approved

### Dimensional Drawing



### Dimensions & Weights

SIZE (DN)	FIG NO.	FLOW	A (mm)	B (mm)	C (mm)	FEMALE END CONNECTIONS	WEIGHT (kg)
15*	D2890	Low	114	80	37	Pipe Thread EN 10226 Rc 1/2"	0.76
15*	D2880	Standard	114	80	37	Pipe Thread EN 10226 Rc 1/2"	0.76
20*	D2880	Standard	126	80	37	Pipe Thread EN 10226 Rc 3/4"	0.88

\*Thermometer fits all sizes. Available on request

**PRESSURE RATING:** PN16  
**MAX TEMPERATURE:** 90°C

**OPERATION:** When the set point is preset to 57°C, the valve 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

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