

SERIES 533

cold prescal pressure reducing valve

SD 014 26-05-2020

Application

Pressure reducing valves are installed in residential water systems to reduce and stabilise inlet pressures from mains water supplies or boosted water systems, which generally are too high and variable for domestic appliances to function correctly.

The Series 533 Cold is specially designed for cold services in domestic and semi-commercial applications to equalise the cold water supply and prevent excessive pressure at outlets such as taps and showers.

Design

The Series 533 Cold pressure reducing valves have a specially shaped diaphragm to give accurate pressure regulation in response to changes in downstream pressure.

The control stem housing of the cartridge is made from a plastic material with a low co-efficient of adhesion, which reduces the probability of scale deposits forming, the main cause of pressure reducing valve malfunction.

The cartridge and strainer screen are easily removed for periodic cleaning and maintenance.

The Series 533 Cold pressure reducing valve is certified according to BS EN 1567 for operating with inlet water temperatures up to 40°C.

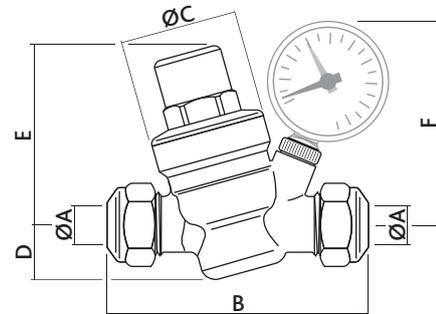
Supplied with compression ends complying with BS EN 1254-2 for use with R250 (half hard) copper tube to BS EN 1057 or with female parallel threaded ends complying with BS EN ISO 228-1.

Construction Details

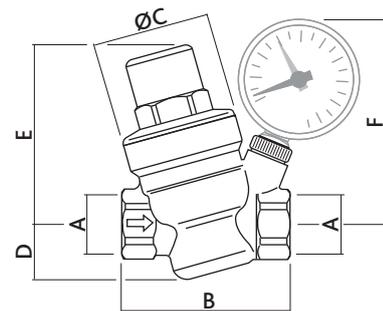
Component	Material	Grade
Body - threaded	Brass chrome plated	BS EN 12165 CW617N
Body - compression	DZR chrome plated	BS EN 12165 CW602N
Cover	Nylon	PA 66GF30
Control stem	DZR alloy	BS EN 12164 CW724R
Cartridge	POM	
Internal components	DZR alloy	BS EN 12164 CW724R
Diaphragm	EPDM	
Seals	EPDM	
Strainer screen	Stainless st. AISI 304	BS EN 10088-2

Ref No	Size	Connection	Gauge
533641	15mm	compression	Cu x Cu
533651	22mm	compression	Cu x Cu
533741	15mm	compression	Cu x Cu with gauge port
533751	22mm	compression	Cu x CU with gauge port
533841	15mm	compression	Cu x Cu with pressure gauge
533851	22mm	compression	Cu x Cu with pressure gauge
533041	1/2"	screwed iron	F x F
533051	3/4"	screwed iron	F x F
533241	1/2"	screwed iron	F x F - with pressure gauge
533251	3/4"	screwed iron	F x F - with pressure gauge
533441	1/2"	screwed iron	F x F - with gauge port
533451	3/4"	screwed iron	F x F - with gauge port

Dimensions



Ref No	ØA	B	ØC	D	E	F	kg
533641	15	91	46	22.5	72.5	-	0.43
533651	22	93	46	22.5	72.5	-	0.46
533741	15	103	46	22.5	72.5	-	0.55
533751	22	107	46	22.5	72.5	-	0.57
533841	15	103	46	22.5	72.5	85.5	0.55
533851	22	107	46	22.5	72.5	85.5	0.57



Ref No	A	B	ØC	D	E	F	kg
533041	G1/2	64	46	22.5	72.5	-	0.39
533051	G3/4	66	46	22.5	72.5	-	0.41
533241	G1/2	70	46	22.5	72.5	-	0.51
533251	G3/4	72	46	22.5	72.5	-	0.52
533441	G1/2	70	46	22.5	72.5	85.5	0.51
533451	G3/4	72	46	22.5	72.5	85.5	0.54

Technical Data

Max inlet pressure:	16 bar
Outlet pressure setting range:	1 to 6 bar
Factory setting:	3 bar
Max working temperature:	40°C
Medium:	potable water
Pressure gauge scale:	0 to 10 bar
Pressure gauge connection:	G1/4
BS EN 1567 approved	
WRAS approved product	

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