533 Prescal

pressure reducing valve



WRAS APPROVED PRODUCT

altecnic

533 prescal pressure reducing valve

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 533 series is specially designed for hot and cold services in houses or apartments to equalise the hot or cold water supplies or both and prevent excessive pressure at outlets such as taps and showers.

Design

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

The larger outlet chamber creates a low exit velocity which is effective in reducing water noise.

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.

Valves for use with copper tube have compression ends complying with BS EN 1254-2*

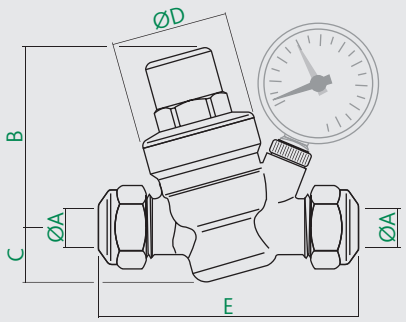
Construction Details

Component	Material	Grade
Body	Brass chrome plated	BS EN 12165 CW617N
Cover	Nylon	PA 66GF30
Control stem	DZR alloy	BS EN 12165 CW602N
Cartridge	POM	
Internal components	Brass	BS EN 12165 CW617N
Diaphragm	Nitrile rubber	
Seals	Nitrile rubber	
Strainer screen	Stainless steel	AISI 304

Product Code	Size	Connection	Type
533 Range			
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	½"	screwed iron	F x F
533051	¾"	screwed iron	F x F
533441	½"	screwed iron	F x F - with gauge port
533451	¾"	screwed iron	F x F - with gauge port
533241	½"	screwed iron	F x F - with pressure gauge
533251	¾"	screwed iron	F x F - with pressure gauge
533151	¾"	screwed iron	M x F swivel
CA-100594	22mm	compression	22 x 15 mm press.reducer
533461	1"	screwed iron	F x F - with gauge port

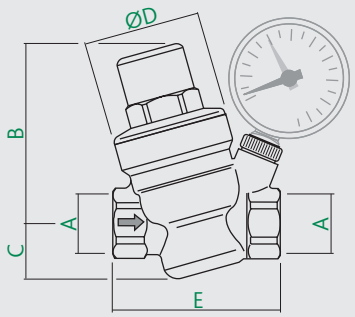
Dimensions

Compression Ends



Prod Code	A	B	C	D	E	kg
533641	Ø15	72.5	22.5	46	91	0.41
533651	Ø22	72.5	22.5	46	93	0.45
533741	Ø15	72.5	22.5	46	103	0.46
533751	Ø22	72.5	22.5	46	107	0.51
533841	Ø15	72.5	22.5	46	103	0.55
533851	Ø22	72.5	22.5	46	107	0.57
CA-100594	Ø22	72.5	22.5	46	93	0.60

Threaded Ends



Prod Code	A	B	C	D	E	kg
533041	G½	72.5	22.5	46	64	0.39
533051	G¾	72.5	22.5	46	66	0.42
533441	G½	72.5	22.5	46	70	0.45
533451	G¾	72.5	22.5	46	72	0.46
533241	G½	72.5	22.5	46	70	0.51
533251	G¾	72.5	22.5	46	72	0.52
533151	G¾	72.5	22.5	46	85.5	0.46
533461	G1	72.5	22.5	46	87	0.58

Technical Data

Max inlet pressure:	16 bar
Outlet pressure setting range:	1 to 6 bar
Factory setting:	3 bar
Max working temperature:	65°C
Pressure gauge range:	0 to 10 bar
Medium:	potable water
Pressure gauge connection:	G1/4

* Use with R250 (half hard) copper tube

E & O.E

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