

SERIES 533H

prescal high performance pressure reducing valve

SD 013 21-05-2020

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 533H is specially designed for hot and cold services in domestic and semi-commercial applications to equalise the hot or cold water supplies or both and prevent excessive pressure at outlets such as taps and showers.

Design

The Series 533H 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 533H pressure reducing valve is certified according to BS EN 1567 for operating with inlet water temperatures up to 80°C.

The 533H is specifically designed for higher flow rates with a low noise level when operating.

Supplied with female parallel threaded ends complying with BS EN ISO 228-1.

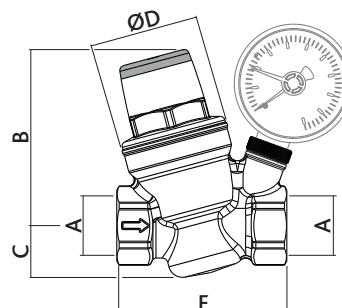
Construction Details

Component	Material	Grade
Body	DZR chrome plated	BS EN 12165 CW602
Cover	Nylon	PA 66GF30
Control stem	Stainless steel	AISI 303
Cartridge	Polymer	PPSG40
Internal components	Polymer	PSU
Diaphragm	EPDM	
Seals	EPDM	
Strainer screen	Stainless steel	AISI 304

Construction Details

Ref No	Size	Connection	Gauge
533441H LTC	15 mm	F x F BSP	port only
533451H LTC	22 mm	F x F BSP	port only
533241H LTC	15 mm	F x F BSP	with gauge
533251H LTC	22 mm	F x F BSP	with gauge

Dimensions



Ref No	A	B	C	D	E	kg
533441H LTC	G½	74.5	22	46	70	0.40
533451H LTC	G½	74.5	22	46	70	0.46
533241H LTC	G¾	74.5	22	46	72	0.41
533251H LTC	G¾	74.5	22	46	72	0.47

Technical Data

Max inlet pressure:	12 bar
Outlet pressure setting range:	1 to 5.5 bar
Factory setting:	3 bar
Max working temperature:	80°C
Medium:	potable water
Pressure gauge connection:	G1/4
BS EN 1567 approved	
WRAS approved product	

Recommended Flow Rates

For an average flow velocity of 2 m/s, the maximum flow rates for

Valve Size	½"	¾"
l/m maximum	21.16	37.83

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