

SERIES 536

prescal pressure reducing valve with screwed connections

SD 017 01-06-2020

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 536 is specially designed for hot and cold services in semi-commercial or public buildings to equalise the hot or cold water supplies or both and prevent excessive pressure at outlets such as taps, toilets, dish washers and other appliances.

Design

The Series 536 pressure reducing valves are factory set to maintain 3 bar down stream pressure. The pressure can be adjusted using a 10mm hexagonal wrench/screw driver, depending upon valve size.

The internal cartridge assembly can be easily removed for inspection, cleaning and maintenance.

The compensated seat design means that the set downstream pressure remains independent of upstream pressure variations.

An integral filter prevents debris from entering the cartridge, which may affect its performance.

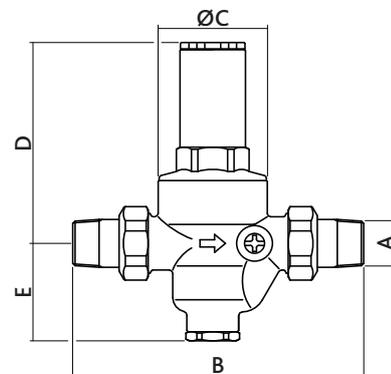
The hydraulic profile of the valve makes it possible to achieve low pressure losses, even when a large number of outlets are open.

Construction Details

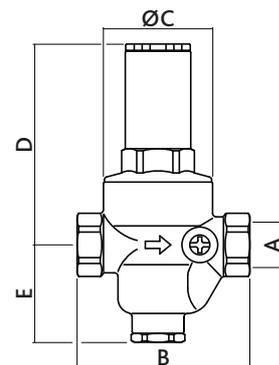
Component	Material	Grade
Body	DZR copper alloy	BS EN 1892 CG752S
Cover	DRZ copper alloy	BS EN 12165 CW617N
Seat	Stainless steel	AISI 304
Diaphragm	Elastomer	NBR
Seals	Elastomer	EPDM
Strainer screen	Stainless steel	AISI 304

Ref No	Size	Connection	Gauge
536240	1/2"	screwed iron	M x M with gauge port
536250	3/4"	screwed iron	M x M with gauge port
535060	1"	screwed iron	M x M with gauge port
535070	1 1/4"	screwed iron	M x M with gauge port
535080	1 1/2"	screwed iron	M x M with gauge port
535041	1/2"	screwed iron	M x M with pressure gauge
535051	3/4"	screwed iron	M x M with pressure gauge
535061	1"	screwed iron	M x M with pressure gauge
535071	1 1/4"	screwed iron	M x M with pressure gauge
535081	1 1/2"	screwed iron	M x M with pressure gauge
536240	1/2"	screwed iron	F x F with gauge port
536250	3/4"	screwed iron	F x F with gauge port
536260	1"	screwed iron	F x F with gauge port
536241	1/2"	screwed iron	F x F with pressure gauge
636261	1"	screwed iron	F x F with pressure gauge

Dimensions



Ref No	A	B	C	D	E	kg
536040 & 41	R1/2	140	51	90	54	1.3
536050 & 51	R3/4	160	60	112	54	2.0
536060 & 61	R1	180	60	112	54	1.95
536070 & 71	R1 1/4	200	72	126	63	3.20
536080 & 81	R1 1/2	220	72	126	63	3.74



Ref No	A	B	C	D	E	kg
536240 & 41	G1/2	81	51	90	54	1.16
536250	G3/4	95	60	112	54	1.57
536260 & 61	G1	100	60	112	54	1.63

Technical Data

Max inlet pressure:	25 bar
Outlet pressure setting range:	0.5 to 6 bar
Factory setting:	3 bar
Max working temperature:	80°C
Pressure gauge range:	0 to 10 bar
Pressure gauge connection:	G 1/4
Medium:	potable water
Complies with:	BS EN 1567
Screwed ends female:	BS EN ISO 228-1
Screwed end male union:	BS EN 10226

© Patents & Design Altecnic 2020

Altecnic Ltd retains all rights (including patents, designs and copyrights, trademarks and any other intellectual property rights) in relation to all information provided on or via the website, brochures or any other documents, including all texts, graphics and logos, contained on the website, in brochures or in any other documents published in the name of or on behalf of Altecnic Ltd in any form, without prior written consent of Altecnic Ltd.

Altecnic Ltd Mustang Drive, Stafford, Staffordshire ST16 1GW T: +44 (0)1785 218200 E: sales@altecnic.co.uk altecnic.co.uk

Registered in England No: 2095101 E & O.E © Altecnic Limited. 2020 ALTECNIC™