



SERIES 536

prescal pressure reducing valve with flanged connections

SD 018 03-06-2020

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 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.

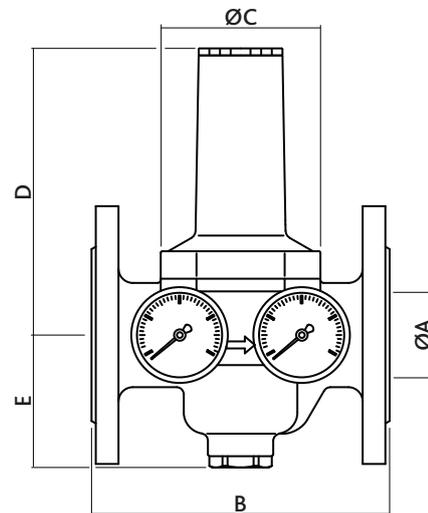
The hydraulic profile of the valve makes it possible to achieve low pressure losses, even when a large number of outlets are open.

Construction Details

Component	Material	Grade
Body	Bronze	BS EN 1892 CB499K
Cover	DRZ copper alloy	BS EN 1982 CB753S
Seat	Stainless steel	AISI 304
Diaphragm	Elastomer	NBR
Seals	Elastomer	EPDM
Strainer screen	Stainless steel	AISI 304

Ref No	Size	Connection	Gauge
536660	DN65	flanged PN16	with 2 gauges

Dimensions



Ref No	ØA	B	C	D	E	kg
536660	65	225	110	204	95	14.9

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:	upstream 0 to 25 bar downstream 0 to 10 bar
Pressure gauge connection:	G ³ / ₈
Medium:	potable water
Flanged PN16:	BS EN 1092
Flow rate for an average velocity of 2 m/s, in accordance with BS EN 1567.	400 l/min

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