



# 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.

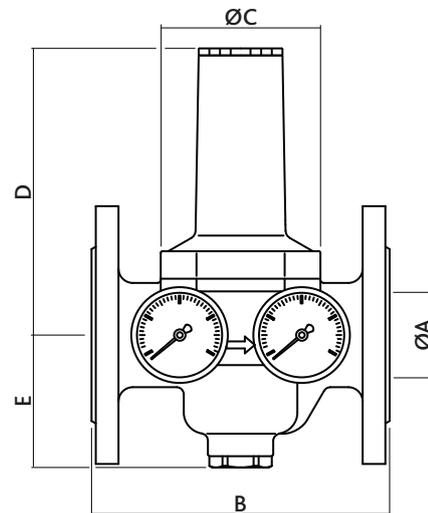
The hydraulic profile of the valve makes it possible to achieve low pressure losses, even when a large number of outlets are open.

### 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<br>downstream 0 to 10 bar |
| Pressure gauge connection:   | G <sup>3</sup> / <sub>8</sub>                  |
| 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                                      |