

# Pressure-reducing valves

## Pressure-reducing valves

The BERMAD pressure-reducing valves are especially designed for accurate and reliable pressure control. The valve is a “Direct Acting Pressure Reducer” type. The downstream pressure of the network is constant and equal to the preset pressure, regardless of upstream pressure variations and/or flow fluctuations.

## Product features:

The use of a rolling diaphragm and guided plug ensures smooth and repeatable operation and prevents diaphragm distortion this results in a long and trouble-free service life and accurate operation due to minimal resistance to movement. Various springs are available per type, according to the pressure to be set. The valves can be supplied with a preset fixed pressure, or an adjustable pressure setting.

## Applications:

- At any point where pressure is to be reduced.
- Safeguard against overpressure.
- To obtain an even water delivery due to the equalisation of pressure





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## Technical data

### Specifications:

- Connections: 3/4", 1", 1 1/2" BSP male thread
- Working pressure: 0.7 - 9 bar
- Max. water temperature: 60 °C

Option: For applications with a static pressure "drip tight" low-flow (L.F.) PRV's should be used

### Materials:

- Body and cover: glass-fibre-reinforced polyamide
- Metal parts: stainless steel
- Diaphragm: NBR, nylon-reinforced
- Seals: NBR and NR

| Model                |                   | 3/4" L.F. | 3/4" | 1"        | 1 1/2" |
|----------------------|-------------------|-----------|------|-----------|--------|
| Cap. min             | m <sup>3</sup> /h | 0,01      | 0,2  | 0,45      | 0,45   |
| Cap. max             | m <sup>3</sup> /h | 3         | 5    | 7         | 18     |
| Spring selection     | A yellow bar      | 0,5 - 1,2 |      | 0,3 - 0,8 |        |
| (Pressure reduction) | B white bar       | 0,8 - 2,5 |      | 0,5 - 1,2 |        |
|                      | C red bar         | 2,0 - 4,0 |      | 1,0 - 2,0 |        |
|                      | D black bar       | 3,5 - 6,0 |      | 1,5 - 3,5 |        |
|                      | Q brown bar       | -         |      | 3,0 - 5,5 |        |
| L                    | mm                | 88        |      | 114       | 106    |
| H                    | mm                | 100       |      | 160       | 155    |
| R                    | mm                | 17        |      | 45        | 30     |
| Width (W)            | mm                | 45        |      | 65        | 65     |
| Weight               | kg                | 0,13      |      | 0,36      | 1,0    |

Spring selection 3/4" valves



Spring selection 1" and 1 1/2" valves

