



## TYPE RP10



C40 nickel plated carbon steel PN25  
AISI 316 L stainless steel PN25

### DESCRIPTION

Series RP10 pressure reducing valve is self-actuated type suitable for steam, compressed air, gases and vapours.

For water applications the maximum inlet pressure is not to exceed 5 barg while for steam and gas applications it's recommended for differential pressures not exceeding 10 barg.

The series RP10 pressure reducing valve is available with flanged and screwed connections.

### SIZES

Ø 1/2" - 3/4" - 1"  
DN 15 - 20 - 25

### MAX WORKING CONDITIONS

Maximum inlet pressure :

- with steam, compressed air and gases : 19 bar
- with water : 5 bar

Maximum design temperature : 210 °C  
 Maximum downstream reduced pressure : 8,6 bar  
 Minimum downstream reduced pressure : 0,12 bar  
 Rangeability Ø 1/2" – DN15 : 10:1  
 Ø 3/4" – Ø1"–DN20–DN25 : 15:1

### ON REQUEST

Dia 1/8" BSP hole complete with AISI 316 L st. st. plug and fitting for external pressure sensing connection (dia. 6 mm)

### CV flow rate coefficients (flow in GPM with 1 psi of differential pressure)

NOMINAL DIAMETERS		
DN 15 Ø 1/2"	DN 20 Ø 3/4"	DN 25 Ø 1"
1,31	2,68*	4,18*

### CONNECTIONS

female screwed UNI-ISO 7/1 Rp (BSP) PN 25  
flanged UNI/DIN 2238/29 PN25

### REDUCED PRESSURE RANGES

White : 0,12 - 1,8 bar (white identification plate)  
 Green : 1,5 - 4 bar (green identification plate)  
 Red : 3 - 8.6 bar (red identification plate)

Where control spring ranges overlap, always use the lower range to give better control and precision.

### Kv flow rate coefficients (flow in m3/h with 1 bar of differential pressure)

NOMINAL DIAMETERS		
DN 15 Ø 1/2"	DN 20 Ø 3/4"	DN 25 Ø 1"
1,12	2,28*	3,57*

\* On request reduced bores as follows :

Ø 3/4" with reduced bore Ø 1/2" - Ø 1" with reduced bore Ø 3/4" or Ø 1/2"