



#### TECHNICAL DATA

- Type: the combined reducing and sustaining valve.
- Size: DN50 – DN300
- Maximum working pressure: 16 bar
- Maximum working temperature: +60°C
- Max. Reduction ratio: inlet pressure x 1/3
- Accuracy ratio: set pressure ± 0.3 bar
- Working ratio holding: from 1 bar to 6.5 bar (standard)
- Flanged: drilled according to EN 1092-2
- Painting: blue epoxy power coating.
- Assembly: Metallic or plastic pilot.

#### APPLICATION

- Fluid: Water
- It is mainly used to automatically reduce downstream pressure in the distribution network and to maintain a minimum pressure in the main high pressure line regardless of the distribution demand.

#### OPERATION

The reducing pilot acts on the valve so that it has a modulating function, in order to keep the downstream pressure constant for the set regulation value, the sustaining pilot acts on the valve so that it has a modulating function, in order to keep the upstream pressure above the minimum regulation value.

#### MATERIAL

No.	Parts	Material
1	Body	Cast iron
2	3-way valve	Brass
3	Reducing pilot	Cast iron
4	Outlet pressure gauge	Stainless steel
5	Inlet pressure gauge	Stainless steel
6	Holding pilot	Cast iron
7	Filter	Stainless steel
8	Membrane	Natural rubber

#### DIMENSIONS

DN		L	D	H	Nxd
mm	inch				
50	2"	189	82	166	4x19
65	2 1/2"	202	93	186	4x19
80	3"	250	100	201	8x19
100	4"	311	110	222	8x19
125	5"	335	125	250	8x19
150	6"	410	145	290	8x23
200	8"	465	170	340	12x23
250	10"	650	230	460	12x28
300	12"	650	230	460	12x28

#### PRESSURE LOSS CURVE

