

Technical data sheet

Type 5 SP

Water pressure reducing valve Type SECURO

Desbordes®

Applications and special features



- Control and maintain the downstream pressure at an adjustable reduced value, whether there is a flow or not.
- No maintenance required, not affected by scale or dirt.
- Can be installed in any position.
- Can be fitted on an individual device, such as washing machine, water heater...
- Work as pressure reducing valve (standard terminology) as well as "regulator" and as "pressure regulating valve" (when applies for gas).
- Downstream setting : 1bar to 5.5 bar; indicative value according to EN1567.
- Adjustable : supplied pre-set at 3 bar.
- Equipped with 2 plugs 1/4" at the bottom to allow the mounting of a pressure gauge.

Technical description

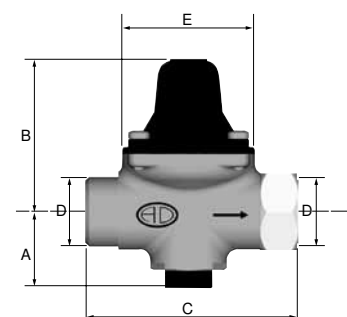
DN		PFA (bar)	PS (bar)				References	Vvs-nr
"	mm		L1	L2	G2	G2		
3/4	20	16	16	16	16	16	149B7312	

L1, L2, G1 and G2 correspond to liquids/gas classified into degree of danger according to the Pressure Equipment Directive (PED). The article 3.3 applies to equipments with no CE marking.

- **Connection** : inlet male, outlet union nut, BSP thread.
- **Casing** : chrome plated bronze
- **Permissible operating pressure PFA - water** : See table
- **1/4" pressure gauge connection**
- **Maximum permissible pressure PS - other mediums** : See table
- **θ** : Mini. -10 °C
Maxi. 80 °C
- **Mediums** : water, air and neutral gas
- **Approvals** : ACS
- **International construction Standards**:
Thread connections NF EN ISO 228

Overall dimensions

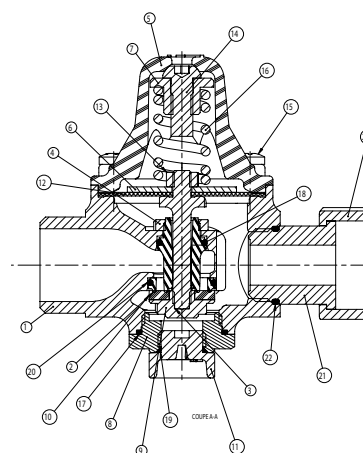
DN	D		A	B	C	E	Weight
	"	mm	mm	mm	mm	mm	
20	3/4	20/27	29	58	82	50	0,4



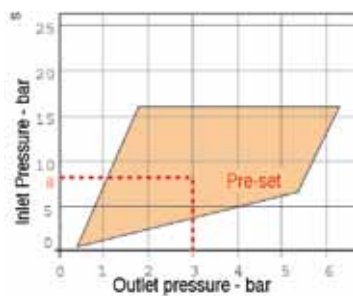
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Spare parts list and materials

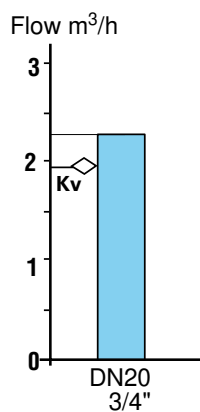
Nb	Description	Material	EURO	ANSI
1	CASING	Chrome plated bronze	CuSn5Zn5Pb5-C	ASTM B 505
2	SEAT	PA (Polyamide)		
3	STEM	Brass	CuZn39Pb3	ASTM B 124
4	NUT	POM (Polyacetal)		
5	CAP	PA (Polyamide)		
6	PLATE WASHER	Stainless steel	X6CrNiTi18-10	AISI 321
7	GUIDE	Brass	CuZn39Pb3	ASTM B 124
8	PLUG	Chrome plated brass	CuZn39Pb3	ASTM B 124
9	GUIDE PLATE	Brass	CuZn39Pb3	ASTM B 124
10	SEAL	EPDM		
11	PLUG	PA (Polyamide)		
12	MEMBRANE	NBR/Polyamide		
13	NUT	Stainless steel	X5CrNiTi18-10	AISI 304
14	SCREW	Stainless steel	X6Cr17	
15	SCREW	Stainless steel	X5CrNiTi18-10	AISI 304
16	SPRING	Anticorrosive steel		
17	O-RING	NBR (Nitrile)	NBR 70 ShA	ASTM B 124
18	O-RING	NBR (Nitrile)	NBR 70 ShA	ASTM B 124
19	O-RING	NBR (Nitrile)	NBR 70 ShA	ASTM B 124
20	O-RING	NBR (Nitrile)	NBR 70 ShA	ASTM B 124
21	CONNECTION	Chrome plated brass		
22	O-RING	NBR (Nitrile)		
23	NUT	Chrome plated brass	CuZn39Pb3	ASTM B 124



Working principle



• Pressure setting range



• Flow : maximum flow (0 outlet pressure) under an upstream pressure of 8 bar

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