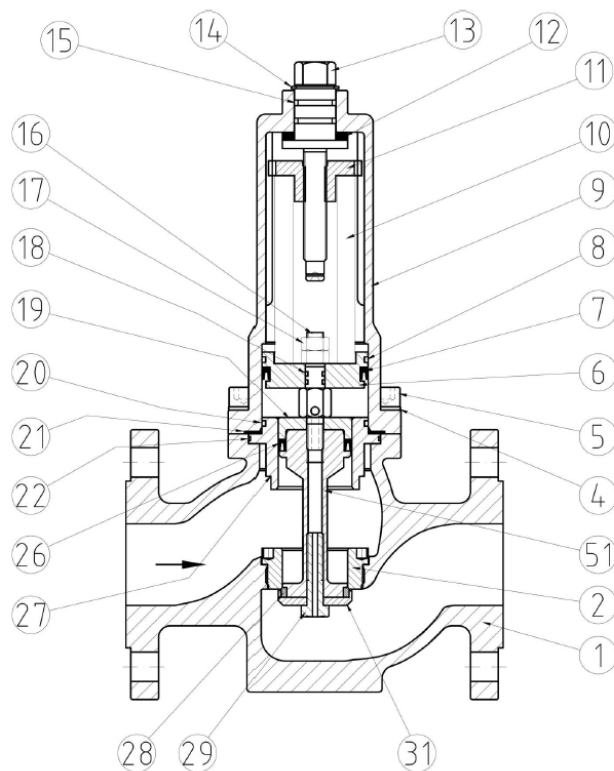


Pressure Reducing Valve - Model VD

BASIC INFORMATION

Type	Self-operated pressure reducing valve with piston	Kv	3.5, 5, 13.5, 22, 32, 57, 82, 115 [m ³ /h]
Operation	Valve tends to maintain constant outlet pressure	Cv	4, 5.8, 10.4, 15.6, 25, 37, 66, 94.8 [gpm]
Model	VD	Temperature	-10 to 80° [°C] (150° On req.)
Connections	Flanged (DIN - ANSI) or Threaded (BSP - NPT)		14 to 176 [°F]
Ends	RF – RF, NPT, BSP	Inlet max. pressure	40 [barg]
Ratings	PN16, PN40 (150#, 300#)	Outlet pressure	1.5 - 16 [barg]
Sizes	DN15, DN20, DN25, DN32, DN40, DN50, DN65, DN80, DN100 (1/2", 3/4", 1", 1 1/2", 1 3/4", 2", 2 1/2", 3", 4")	Suitable for	Liquid, compressed air and non-hazardous gas

PARTS

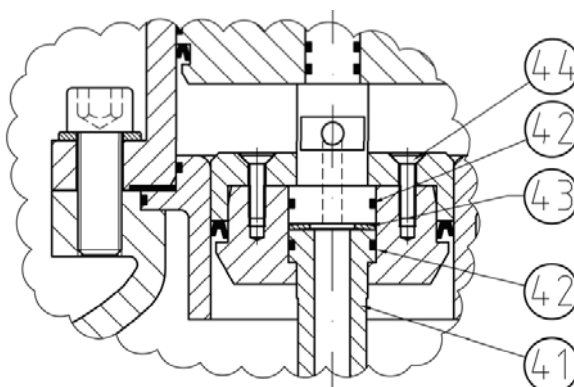


MATERIALS

REF.	PART	MATERIAL
1	Body	Stainless steel CF8M-316 Bronze RG10 Carbon steel WCB Nodular Iron GGG40.3
2	Seat	1.4404 - SS 316L
3	Stem (DN65-100)	1.4404 - SS 316L
4	Washer	Stainless steel A2-70
5	Bolts	Stainless steel A2-70
6	Piston	1.4404 - SS 316L
7	Gasket	NBR
8	O-ring	NBR
9	Spring cover	Stainless steel CF3M-316
10	Spring	Steel spring
11	Regulation nut	Steel 1.1191
12	Gaslet bearing	PTFE+GR
13	Regulation stem	1.4404 - SS 316L
14	Safety reg. stem washer	Stainless steel A2-70
15	O-ring	
16	Piston stem	1.4404 - SS 316L
17	Nut(s)	Stainless steel A2-70
18	O-ring	NBR
19	Lower bushing	1.4404 - SS 316L
20	O-ring	NBR
21	Flat gasket	PTFE
22	O-ring	NBR
26	Balanced gasket	NBR Graphited PTFE + St. steel
27	Lower bushing guide	1.4404 - SS 316L
28	Seal	NBR Graphited PTFE
29	Screw	Stainless steel A2-70
30	Guide seal (DN65-100)	1.4404 - SS 316L
31	Support seal	1.4404 - SS 316L
41	Stem (DN100)	Stainless steel Aisi 316L (DN100)
42	O-ring (DN100)	NBR (D100)
43	Washer spring (DN100)	Stainless steel Aisi 316L (DN100)
44	Screw (DN100)	Stainless steel A-2 (DN100)
51	Stem (DN15-50)	1.4404 - SS 316L

Recommended spare parts

DN 100mm scheme



STANDARD CONFIGURATIONS

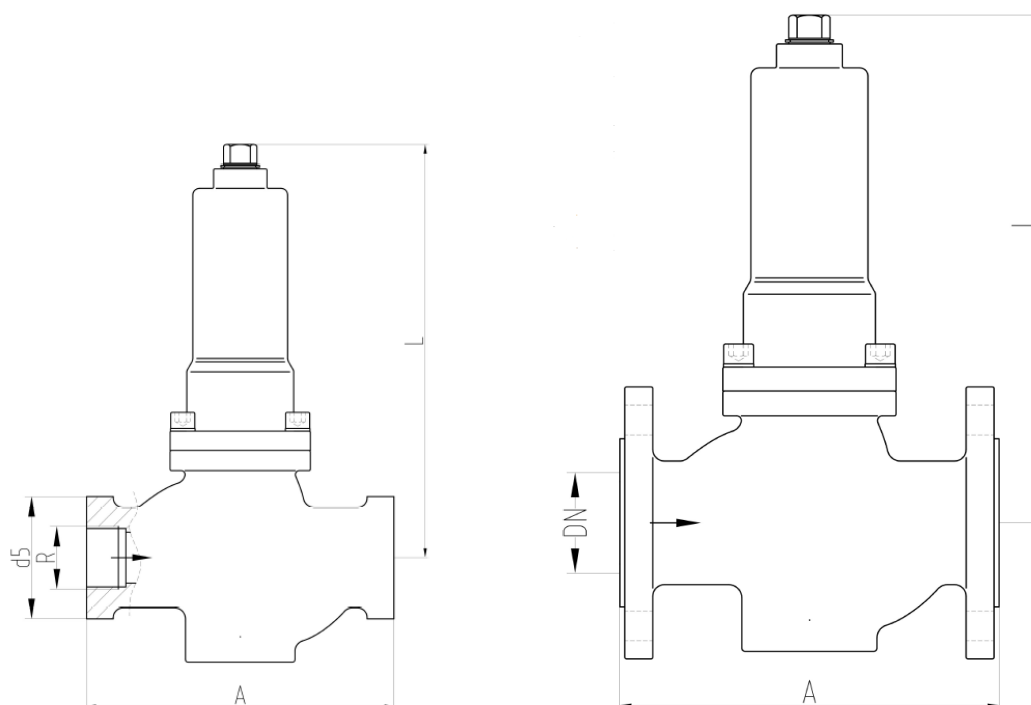
DN [mm]	15	20	25	32	40	50	65	80	100
Kv [m ³ /h]	3.5	5	9	13.5	22	32	57	82	115
Cv [gpm]	4	5.8	10.4	15.6	25	37	66	95	134

DIN A [mm]	130	150	160	180	200	230	290	310	350
------------	-----	-----	-----	-----	-----	-----	-----	-----	-----

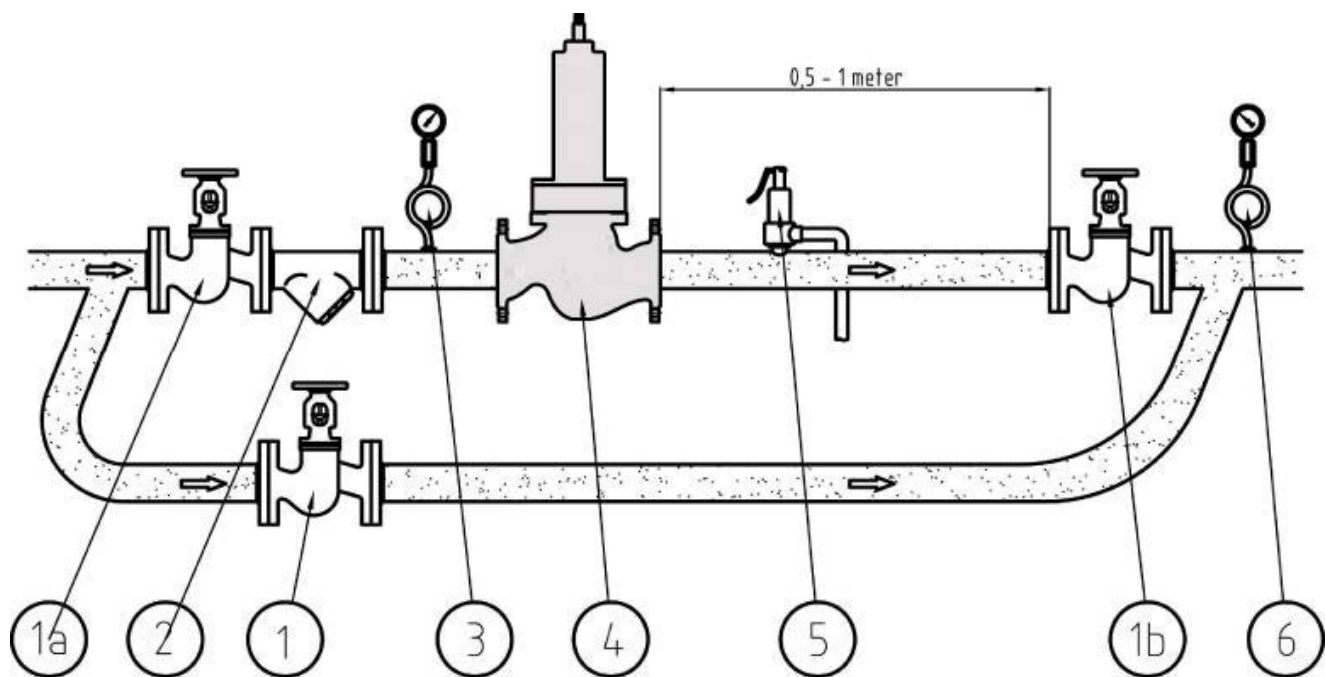
ANSI150 A [mm]	-	-	184	-	222	254	276	298.5	352.5
A [inches]	-	-	7.25"	-	8.75"	10"	10,9"	11.75"	13.88"

ANSI300 A [mm]	-	-	197	-	235	267	292	317.5	
A [inches]	-	-	7.76"	-	9.25"	10.51"	11,5"	12.50"	

B Threaded BSP / NPT	½"	¾"	1"	1.25"	1.5"	2"	-	-	-
L [mm]	240	240	250	250	300	300	415	430	490
Weight [Kg]	10	10	12	13	16	18	35	50	60



STANDARD INSTALLATION



RECOMMENDED INSTALLATION

- | | |
|-----|----------------------------|
| 1. | Isolation globe |
| 1a. | Isolation globe |
| 1b. | Isolation globe |
| 2. | Filter |
| 3. | Inlet pressure |
| 4. | Pressure reducing valve VD |
| 5. | Safety valve |
| 6. | Outlet pressure |



ATEX approved

Disclaimer

The information, specifications and technical data contained in this catalogue are subject to change without notice by the manufacturer. The user should verify all technical data and specifications prior to use. EFSVALVES does not warrant that the material and information contained herein is current or correct and assumes no responsibility for the use or misuse of any such material and information by the user.