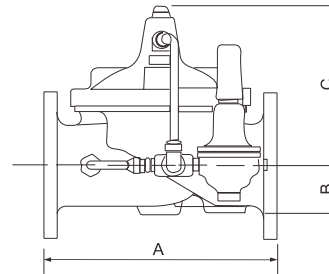


Flanged globe type pressure reducing valve

Pressure reducing valve is pilot-operated pressure control valve used in sprinkler and standpipe systems. It automatically reduces a higher inlet pressure to a steady lower outlet pressure, without changing flow rate and inlet pressure.



- Certificate: UL Listed / FM Approved, CE Certified
- Standard: UL 1739 / NFPA 13 / NFPA 14
- Connection: Flanged as B16.42 Class 150 / 300, B16.1 Class 125 / 250, EN 1092-2 PN16
- Accessories: With or without pressure gauge connection assemblies
- Adjustment: 50 ~ 175 / 30 ~ 165 psi, etc.
- Temperature: Max 82°C, water
- W. pressure: 200 / 250 / 300 / 365 psi
- Surface: FBE coating as AWWA C550



Main parts and material

Body	Ductile iron as ASTM A536, 65-45-12	Cover	Ductile iron as ASTM A536, 65-45-12
Main valve trim	SS seat, SS stem	Pilot control	Cast bronze with SS trim

Available size (Source 1 with UL)

Size		Pressure adjustment (psi)	A mm	Connection	Working pressure (psi)	Ref. No.
Inch	DN					
1-1/2"	40	50 ~ 175	216 / 229	Class 150 / 300	250 / 300	V6101 (UL)
2"	50	30 ~ 165	238 / 254	Class 150 / 300	250 / 300	V6102 (UL)
2-1/2"	65	50 ~ 175	279 / 295	Class 150 / 300	250 / 300	V6103 (UL)
3"	80	50 ~ 175	305 / 337	Class 150 / 300	250 / 300	V6104 (UL)
4"	100	50 ~ 175	381 / 397	Class 150 / 300	250 / 300	V6105 (UL)
6"	150	50 ~ 175	508 / 533	Class 150 / 300	250 / 300	V6107 (UL)
8"	200	50 ~ 175	645 / 670	Class 150 / 300	250 / 300	V6108 (UL)
10"	250	50 ~ 175	756 / 790	Class 150 / 300	250 / 300	V6109 (UL)
12"	300	50 ~ 175	864 / 902	Class 150 / 300	250 / 300	V6110 (UL)

Note:

1. As factory preset, the reducing pressure is set at 60 psi.
2. The two (2) pressure gauge connection assemblies are not included. See detail V99.

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Flanged globe type pressure reducing valve

Available size (Source 2 with UL)

Size		Pressure adjustment (psi)	A mm	Connection	Working pressure (psi)	Ref. No.
Inch	DN					
1-1/2"	40	65 ~ 165	200	Class 125 / 250 / PN16	200 / 300 / 230	V6121 (UL)
2"	50	65 ~ 165	230	Class 125 / 250 / PN16	200 / 300 / 230	V6122 (UL)
2-1/2"	65	65 ~ 165	290	Class 125 / 250 / PN16	200 / 300 / 230	V6123 (UL)
3"	80	65 ~ 165	310	Class 125 / 250 / PN16	200 / 300 / 230	V6124 (UL)
4"	100	65 ~ 165	350	Class 125 / 250 / PN16	200 / 300 / 230	V6125 (UL)
5"	125	65 ~ 165	400	Class 125 / 250 / PN16	200 / 300 / 230	V6126 (UL)
6"	150	65 ~ 165	480	Class 125 / 250 / PN16	200 / 300 / 230	V6127 (UL)
8"	200	65 ~ 165	600	Class 125 / 250 / PN16	200 / 300 / 230	V6128 (UL)
10"	250	65 ~ 165	730	Class 125 / 250 / PN16	200 / 300 / 230	V6129 (UL)

Note:

1. As factory preset, the reducing pressure is set at 65 psi.
2. The two (2) pressure gauge connection assemblies are not included. See detail V99.

Available size (Source 2 with FM)

Size		Pressure adjustment (psi)	A mm	Connection	Working pressure (psi)	Ref. No.
Inch	DN					
2"	50	65 ~ 165	233	Class 125 / 250 / PN16	300	V6122 (FM)
2-1/2"	65	65 ~ 165	290	Class 125 / 250 / PN16	300	V6123 (FM)
3"	80	65 ~ 165	310	Class 125 / 250 / PN16	300	V6124 (FM)
4"	100	65 ~ 165	356	Class 125 / 250 / PN16	300	V6125 (FM)
5"	125	65 ~ 165	370	Class 125 / 250 / PN16	300	V6126 (FM)
6"	150	65 ~ 165	436	Class 125 / 250 / PN16	300	V6127 (FM)
8"	200	65 ~ 165	530	Class 125 / 250 / PN16	300	V6128 (FM)
10"	250	65 ~ 165	636	Class 125 / 250 / PN16	300	V6129 (FM)

Note:

1. As factory preset, the reducing pressure is set at 65 psi.
2. The two (2) pressure gauge connection assemblies are not included. See detail V99.

Available size (Source 3 with UL/FM)

Size		Pressure adjustment (psi)	A mm	Connection	Working pressure (psi)	Ref. No.
Inch	DN					
3"	80	80 ~ 175	349	Class 125 / PN16	300	V6144 (UL/FM)
4"	100	90 ~ 175	425	Class 125 / PN16	300	V6145 (UL/FM)
6"	150	80 ~ 175	569	Class 125 / PN16	300	V6147 (UL/FM)
8"	200	80 ~ 175	697	Class 125 / PN16	300	V6148 (FM)

Note:

1. As factory preset, the reducing pressure is set at 125 psi.
2. The two (2) pressure gauge connection assemblies are included. See detail V99.

Flanged globe type pressure reducing valve

Available size (Source 4 with CE)

Size		Pressure adjustment (psi)	A mm	Connection	Working pressure (psi)	Ref. No.
Inch	DN					
2"	50	29 ~ 174	206 / 203	Class 125 / PN16	200 / 230	V6162 (CE)
2-1/2"	65	29 ~ 174	211 / 216	Class 125 / PN16	200 / 230	V6163 (CE)
3"	80	29 ~ 174	249 / 241	Class 125 / PN16	200 / 230	V6164 (CE)
4"	100	29 ~ 174	320 / 292	Class 125 / PN16	200 / 230	V6165 (CE)
6"	150	29 ~ 174	414 / 356	Class 125 / PN16	200 / 230	V6167 (CE)
8"	200	29 ~ 174	500 / 495	Class 125 / PN16	200 / 230	V6168 (CE)
10"	250	29 ~ 174	605 / 622	Class 125 / PN16	200 / 230	V6169 (CE)
12"	300	29 ~ 174	724 / 698	Class 125 / PN16	200 / 230	V6170 (CE)
14"	350	29 ~ 174	734 / 787	Class 125 / PN16	200 / 230	V6171 (CE)
16"	400	29 ~ 174	991 / 914	Class 125 / PN16	200 / 230	V6172 (CE)

Note:

1. As factory preset, the reducing pressure for is set at 0.45MPa for BS flange connection, 65psi for American flange connection.
2. The two (2) pressure gauge connection assemblies are included. See detail V99.

Available size (Source 5 with UL/FM)

Size		Pressure adjustment (psi)	A mm	Connection	Working pressure (psi)	Ref. No.
Inch	DN					
2"	50	60 ~ 175	230 / 238	Class 150 / 300	250 / 365	V6182 (UL/FM)
2-1/2"	65	60 ~ 175	235 / 241	Class 150 / 300	250 / 365	V6183 (UL/FM)
3"	80	60 ~ 175	310 / 326	Class 150 / 300	250 / 365	V6184 (UL/FM)
4"	100	60 ~ 175	350 / 368	Class 150 / 300	250 / 365	V6185 (UL/FM)
6"	150	60 ~ 175	480 / 506	Class 150 / 300	250 / 365	V6187 (UL/FM)
8"	200	60 ~ 175	600 / 626	Class 150 / 300	250 / 365	V6188 (UL/FM)
10"	250	60 ~ 175	730 / 730	Class 150 / 300	250 / 365	V6189 (UL/FM)
12"	300	60 ~ 175	850 / 888	Class 150 / 300	250 / 300	V6190 (UL/FM)
14"	350	60 ~ 175	980 / 980	Class 150 / 300	250 / 300	V6191 (UL/FM)
16"	400	60 ~ 175	1100 / 1100	Class 150 / 300	250 / 300	V6192 (UL/FM)

Note:

1. For flanged connection, it is also available with EN 1092-2 PN 16 or PN 25, etc.
2. As factory preset, the reducing pressure is set at 60 psi.
3. The two (2) pressure gauge connection assemblies are not included. See detail V99.