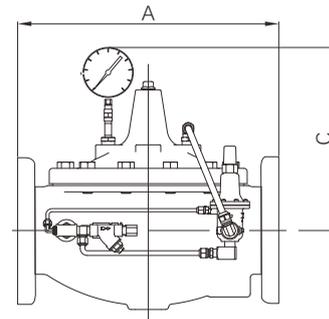


Flanged globe type pressure relief valve

Pressure relief valve (Fire pump relief valve) is used in the discharge of fire pump to automatically relieve excessive pressure, so to maintain constant pressure. It allows the fire pump to be stopped without causing surging.



- Certificate: UL Listed / FM Approved / CE
- Standard: UL 1478, NFPA 20
- Connection: Flanged as B16.42 Class 150 / 300, B16.1 Class 125 / 250, EN 1092-2 PN16
- Adjustment: 20 ~ 200 / 100 ~ 300 psi, etc.
- Temperature: Max 82°C, water
- W. pressure: 250 / 400 psi, etc.
- Surface: FBE coating as AWWA C550



Main parts and material

Body	Ductile iron as ASTM A536, 65-45-12 / Bronze as B148 C95400	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/FM)

Size		Relief pressure range (psi)	A	Connection	Working pressure (psi)	Ref. No.
Inch	DN		mm			
1-1/2"	40	20 ~ 200 / 100 ~ 300	216 / 229	Class 150 / 300	250 / 400	U1101 (UL)
2"	50	20 ~ 200 / 100 ~ 300	238 / 254	Class 150 / 300	250 / 400	U1102 (UL)
2-1/2"	65	20 ~ 200 / 100 ~ 300	279 / 295	Class 150 / 300	250 / 400	U1103 (UL)
3"	80	20 ~ 200 / 100 ~ 300	305 / 337	Class 150 / 300	250 / 400	U1104 (UL/FM)
4"	100	20 ~ 200 / 100 ~ 300	381 / 397	Class 150 / 300	250 / 400	U1105 (UL/FM)
6"	150	20 ~ 200 / 100 ~ 300	508 / 533	Class 150 / 300	250 / 400	U1107 (UL/FM)
8"	200	20 ~ 200 / 100 ~ 300	645 / 670	Class 150 / 300	250 / 400	U1108 (UL/FM)
10"	250	20 ~ 200 / 100 ~ 300	756 / 790	Class 150 / 300	250 / 400	U1109 (ULC)

Note:

1. For size 3", 4", 6", and 8", the working pressure of Class 300 connection is 300 psi by UL listed, and 400 psi by FM approved.
2. EN/BS flanged end connection is also available by FM approved, including EN 1092-2 PN10, PN16, or PN25.
3. KOL Anti-Cavitation Trim Seat is available.
4. As factory preset, the relief pressure is set at 60 psi for 20 ~ 200 range, 100 psi for 100 ~ 300 range.

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Flanged globe type pressure relief valve

Available size (Source 2 with UL/FM)

Size		Relief pressure range (psi)	A	Connection	Working pressure (psi)	Ref. No.
Inch	DN		mm			
1-1/2"	40	65 ~ 300	200	Class 125 / 150 / 250 / PN16	300	U1121 (UL/FM)
2"	50	65 ~ 300	230	Class 125 / 150 / 250 / PN16	300	U1122 (UL/FM)
2-1/2"	65	65 ~ 300	290	Class 125 / 150 / 250 / PN16	300	U1123 (UL/FM)
3"	80	65 ~ 300	310	Class 125 / 150 / 250 / PN16	300	U1124 (UL/FM)
4"	100	65 ~ 300	350	Class 125 / 150 / 250 / PN16	300	U1125 (UL/FM)
5"	125	65 ~ 300	400	Class 125 / 150 / 250 / PN16	300	U1126 (UL/FM)
6"	150	65 ~ 300	480	Class 125 / 150 / 250 / PN16	300	U1127 (UL/FM)
8"	200	65 ~ 300	600	Class 125 / 150 / 250 / PN16	300	U1128 (UL/FM)
10"	250	65 ~ 300	730	Class 125 / 150 / 250 / PN16	300	U1129 (FM)
12"	300	65 ~ 300	850	Class 125 / 150 / 250 / PN16	300	U1130 (FM)

Note: As factory preset, the relief pressure is set at 130 psi for 65 ~ 300 range.

Available size (Source 3 with CE)

Size		Relief pressure range (psi)	A	Connection	Working pressure (psi)	Ref. No.
Inch	DN		mm			
2"	50	29 ~ 188	206 / 203	Class 125 / PN16	200 / 230	U1142 (CE)
2-1/2"	65	29 ~ 188	211 / 216	Class 125 / PN16	200 / 230	U1143 (CE)
3"	80	29 ~ 188	249 / 241	Class 125 / PN16	200 / 230	U1144 (CE)
4"	100	29 ~ 188	320 / 292	Class 125 / PN16	200 / 230	U1145 (CE)
6"	150	29 ~ 188	414 / 356	Class 125 / PN16	200 / 230	U1147 (CE)
8"	200	29 ~ 188	500 / 495	Class 125 / PN16	200 / 230	U1148 (CE)
10"	250	29 ~ 188	605 / 622	Class 125 / PN16	200 / 230	U1149 (CE)
12"	300	29 ~ 188	724 / 698	Class 125 / PN16	200 / 230	U1150 (CE)
14"	350	29 ~ 188	734 / 787	Class 125 / PN16	200 / 230	U1151 (CE)
16"	400	29 ~ 188	991 / 914	Class 125 / PN16	200 / 230	U1152 (CE)

Note: As factory preset, the relief pressure is set at 60 psi for 29 ~ 188 range.