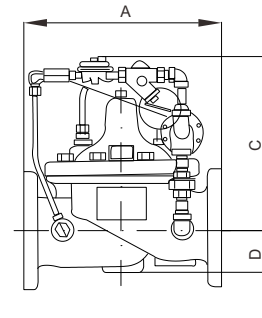


# Flanged globe type pressure relief valve

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

<b>Body</b>	Ductile iron as ASTM A536, 65-45-12 / Bronze as B148 C95400	<b>Cover</b>	Ductile iron as ASTM A536, 65-45-12
<b>Main valve trim</b>	SS seat, SS stem	<b>Pilot control</b>	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 (ULC)
2"	50	20 ~ 200 / 100 ~ 300	234 / 254	Class 150 / 300	250 / 400	U1102 (ULC)
2-1/2"	65	20 ~ 200 / 100 ~ 300	279 / 295	Class 150 / 300	250 / 400	U1103 (ULC)
3"	80	20 ~ 200 / 100 ~ 300	305 / 377	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	U1106 (UL/FM)
8"	200	20 ~ 200 / 100 ~ 300	645 / 670	Class 150 / 300	250 / 400	U1107 (UL/FM)
10"	250	20 ~ 200 / 100 ~ 300	756 / 790	Class 150 / 300	250 / 400	U1108 (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.

# 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	U1111 (UL/FM)
2"	50	65 ~ 300	230	Class 125 / 150 / 250 / PN16	300	U1112 (UL/FM)
2-1/2"	65	65 ~ 300	290	Class 125 / 150 / 250 / PN16	300	U1113 (UL/FM)
3"	80	65 ~ 300	310	Class 125 / 150 / 250 / PN16	300	U1114 (UL/FM)
4"	100	65 ~ 300	350	Class 125 / 150 / 250 / PN16	300	U1115 (UL/FM)
5"	125	65 ~ 300	400	Class 125 / 150 / 250 / PN16	300	U1116 (UL/FM)
6"	150	65 ~ 300	480	Class 125 / 150 / 250 / PN16	300	U1117 (UL/FM)
8"	200	65 ~ 300	600	Class 125 / 150 / 250 / PN16	300	U1118 (UL/FM)
10"	250	65 ~ 300	730	Class 125 / 150 / 250 / PN16	300	U1119 (FM)
12"	300	65 ~ 300	850	Class 125 / 150 / 250 / Pn16	300	U1120 (FM)

## 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	U1131 (CE)
2-1/2"	65	29 ~ 188	211 / 216	Class 125 / PN16	200 / 230	U1132 (CE)
3"	80	29 ~ 188	249 / 241	Class 125 / PN16	200 / 230	U1133 (CE)
4"	100	29 ~ 188	320 / 292	Class 125 / PN16	200 / 230	U1134 (CE)
6"	150	29 ~ 188	414 / 356	Class 125 / PN16	200 / 230	U1135 (CE)
8"	200	29 ~ 188	500 / 495	Class 125 / PN16	200 / 230	U1136 (CE)
10"	250	29 ~ 188	605 / 622	Class 125 / PN16	200 / 230	U1137 (CE)
12"	300	29 ~ 188	724 / 698	Class 125 / PN16	200 / 230	U1138 (CE)
14"	350	29 ~ 188	734 / 787	Class 125 / PN16	200 / 230	U1139 (CE)
16"	400	29 ~ 188	991 / 914	Class 125 / Pn16	200 / 230	U1140 (CE)