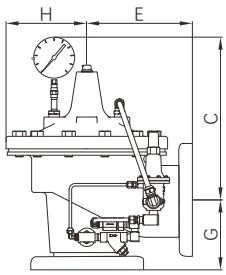
Flanged angle type pressure relief valve

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
- Standard: UL 1478, NFPA 20
- Connection: Flanged as B16.42 Class 150 / 300, B16.1 Class 125 / 250, EN 1092-2 PN16
- 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, KOL Anti-Cavitation Trim Seat (optional)	**Pilot control**	Cast bronze with SS trim

Available size (Source 1 with UL/FM)

Size		Relief pressure range (psi)	C	E	Connection	Working pressure (psi)	Ref. No.
Inch	DN		mm	mm			
1-1/2"	40	20 ~ 200 / 100 ~ 300	140	102 / 102	Class 150 / 300	250 / 400	U3301 (UL)
2"	50	20 ~ 200 / 100 ~ 300	165	83 / 89	Class 150 / 300	250 / 400	U3302 (UL)
2-1/2"	65	20 ~ 200 / 100 ~ 300	192	102 / 110	Class 150 / 300	250 / 400	U3303 (UL)
3"	80	20 ~ 200 / 100 ~ 300	208	102 / 110	Class 150 / 300	250 / 400	U3304 (UL/FM)
4"	100	20 ~ 200 / 100 ~ 300	270	127 / 135	Class 150 / 300	250 / 400	U3305 (UL/FM)
6"	150	20 ~ 200 / 100 ~ 300	340	152 / 165	Class 150 / 300	250 / 400	U3307 (UL/FM)
8"	200	20 ~ 200 / 100 ~ 300	406	203 / 216	Class 150 / 300	250 / 400	U3308 (UL/FM)
10"	250	20 ~ 200 / 100 ~ 300	457	378 / 395	Class 150 / 300	250 / 400	U3309 (ISO)

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. As factory preset, the relief pressure is set at 60 psi for 20 ~ 200 range, 100 psi for 100 ~ 300 range.

Flanged angle type pressure relief valve

Available size (Source 2 with UL/FM)

Size		Relief pressure range (psi)	C	E	Connection	Working pressure (psi)	Ref. No.
Inch	DN		mm	mm			
3"	80	65 ~ 300	265	149	Class 125 / 150 / 250 / PN16	300	U3324 (UL/FM)
4"	100	65 ~ 300	310	185	Class 125 / 150 / 250 / PN16	300	U3325 (UL/FM)
5"	125	65 ~ 300	360	218	Class 125 / 150 / 250 / PN16	300	U3326 (UL/FM)
6"	150	65 ~ 300	380	265	Class 125 / 150 / 250 / PN16	300	U3327 (UL/FM)
8"	200	65 ~ 300	450	326	Class 125 / 150 / 250 / PN16	300	U3328 (UL/FM)

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