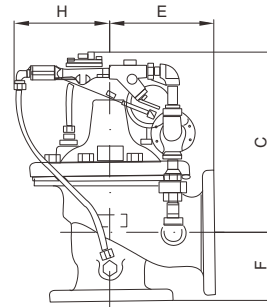


Flanged angle type pressure relief valve

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
- 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)	C	E	Connection	Working pressure (psi)	Ref. No.
Inch	DN		mm	mm			
2"	50	20 ~ 200 / 100 ~ 300	152	121 / 127	Class 150 / 300	250 / 400	U1302 (ISO)
2-1/2"	65	20 ~ 200 / 100 ~ 300	170	140 / 149	Class 150 / 300	250 / 400	U1303 (ISO)
3"	80	20 ~ 200 / 100 ~ 300	197	152 / 162	Class 150 / 300	250 / 400	U1304 (UL/FM)
4"	100	20 ~ 200 / 100 ~ 300	200	191 / 200	Class 150 / 300	250 / 400	U1305 (UL/FM)
6"	150	20 ~ 200 / 100 ~ 300	216	254 / 267	Class 150 / 300	250 / 400	U1307 (UL/FM)
8"	200	20 ~ 200 / 100 ~ 300	248	324 / 337	Class 150 / 300	250 / 400	U1308 (UL/FM)
10"	250	20 ~ 200 / 100 ~ 300	337	378 / 395	Class 150 / 300	250 / 400	U1309 (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. 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.

U13/

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	U1324 (UL/FM)
4"	100	65 ~ 300	310	185	Class 125 / 150 / 250 / PN16	300	U1325 (UL/FM)
5"	125	65 ~ 300	360	218	Class 125 / 150 / 250 / PN16	300	U1326 (UL/FM)
6"	150	65 ~ 300	380	265	Class 125 / 150 / 250 / PN16	300	U1327 (UL/FM)
8"	200	65 ~ 300	450	326	Class 125 / 150 / 250 / PN16	300	U1328 (UL/FM)

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