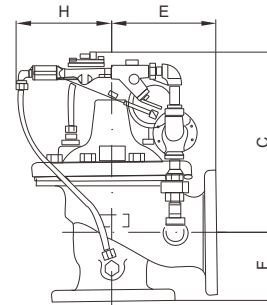


# Flanged angle type pressure relief valve

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

<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)	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	U1301 (ISO)
2-1/2"	65	20 ~ 200 / 100 ~ 300	170	140 / 149	Class 150 / 300	250 / 400	U1302 (ISO)
3"	80	20 ~ 200 / 100 ~ 300	197	152 / 162	Class 150 / 300	250 / 400	U1303 (UL/FM)
4"	100	20 ~ 200 / 100 ~ 300	200	191 / 200	Class 150 / 300	250 / 400	U1304 (UL/FM)
6"	150	20 ~ 200 / 100 ~ 300	216	254 / 267	Class 150 / 300	250 / 400	U1305 (UL/FM)
8"	200	20 ~ 200 / 100 ~ 300	248	324 / 337	Class 150 / 300	250 / 400	U1306 (UL/FM)
10"	250	20 ~ 200 / 100 ~ 300	337	378 / 395	Class 150 / 300	250 / 400	U1307 (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.

# 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	U1311 (UL/FM)
4"	100	65 ~ 300	310	185	Class 125 / 150 / 250 / PN16	300	U1312 (UL/FM)
5"	125	65 ~ 300	360	218	Class 125 / 150 / 250 / PN16	300	U1313 (UL/FM)
6"	150	65 ~ 300	380	265	Class 125 / 150 / 250 / PN16	300	U1314 (UL/FM)
8"	200	65 ~ 300	450	326	Class 125 / 150 / 250 / Pn16	300	U1315 (UL/FM)