

## FLOAT AND THERMOSTATIC STEAM TRAPS

### Twin Float Traps DN 80 DN 100

### FLT22S/TW – Carbon steel / FLT22SS/TW – Stainless steel

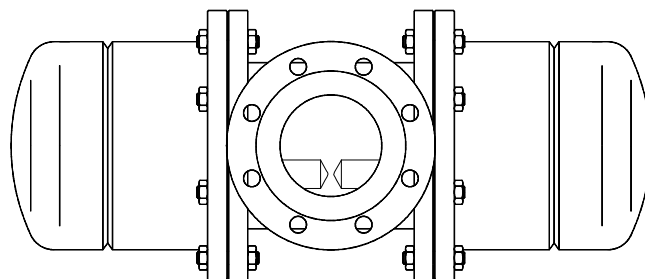
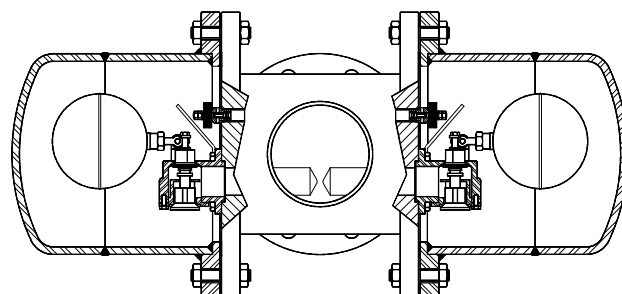
#### DESCRIPTION

FLT22/TW float and thermostatic (integral air vent) steam traps series are designed for all types of low and high pressure steam heating and process equipment. Typical applications include unit heaters, heat exchangers, driers, jacketed vessels and all the applications where continuous drainage is essential. Connections are flanged for horizontal application.

#### MAIN FEATURES

Modulating discharge.  
Discharges condensate at steam temperature.  
Unaffected by sudden or wide load and pressure changes.  
Excellent air discharge (by thermostatic air vent).

USE: Saturated and superheated steam.  
AVAILABLE MODELS: FLT 22S/TW – Carbon steel  
FLT22SS/TW – Stainless steel  
SIZES: DN 80 – DN 100  
CONNECTIONS: Flanged EN 1092-1 PN40 or ANSI  
INSTALLATION: Horizontal standard installation.



| BODY LIMITING CONDITIONS      |                        |                               |                        |               |
|-------------------------------|------------------------|-------------------------------|------------------------|---------------|
| FLT22S/TW                     |                        | FLT22SS/TW                    |                        | RELATED TEMP. |
| FLANGED<br>PN 25 / ANSI 300 * | FLANGED<br>ANSI 150 ** | FLANGED<br>PN 25 / ANSI 300 * | FLANGED<br>ANSI 150 ** |               |
| ALLOW. PRES.                  | ALLOW. PRES.           | ALLOW. PRES.                  | ALLOW. PRES.           |               |
| 23,2 bar                      | 15,4 bar               | 21,5 bar                      | 15,7 bar               | 100 °C        |
| 20,8 bar                      | 13,8 bar               | 17,5 bar                      | 13,2 bar               | 200 °C        |
| 19 bar                        | 12,1 bar               | 16,3 bar                      | 12 bar                 | 250 °C        |
| 17,2 bar                      | 10,2 bar               | 15,1 bar                      | 10,2 bar               | 300 °C        |

PMO - Max. operating pressure 14 bar TMO - Max. operating temperature 198 °C

\* According to EN1092-1:2007 ; \*\* Acc. to EN1759-1:2004

Body limiting conditions PN25 or below, depending on the type of connection adopted. Rating PN25 for thread.

#### MAX. DIFFERENTIAL PRESSURE

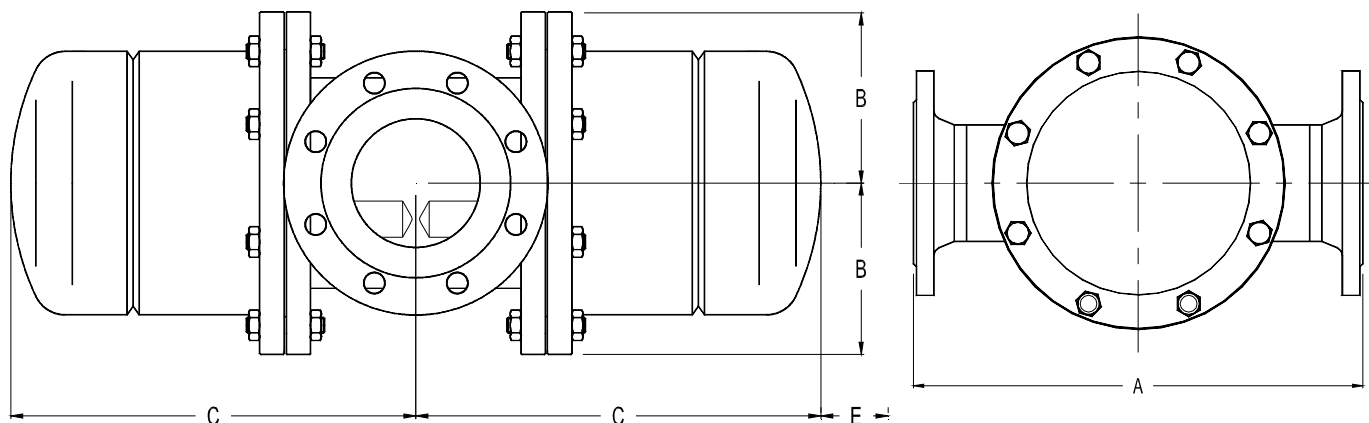
FLT22S/TW-4,5 : 4,5 bar  
FLT22S/TW-10 : 10 bar  
FLT22S/TW-14: 14 bar  
FLT22S/TW-21: 21 bar

Note: the same figures are valid for the FLT22SS/TW

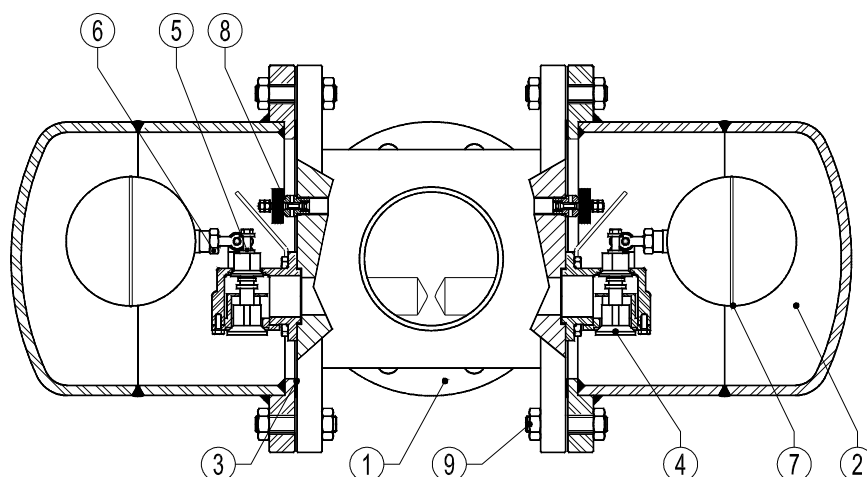
| CE MARKING (PED - European Directive 97/23/EC) |              |               |
|------------------------------------------------|--------------|---------------|
| PN 16                                          | PN 25        | Category      |
| DN80 - DN100                                   | --           | 1 (CE Marked) |
| --                                             | DN80 - DN100 | 2 (CE Marked) |

| FLOW RATE CAPACITY IN Kgs/h |        |                             |       |       |       |       |       |       |       |       |       |       |
|-----------------------------|--------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MODEL                       | SIZE   | DIFFERENTIAL PRESSURE (bar) |       |       |       |       |       |       |       |       |       |       |
|                             |        | 0,5                         | 0,7   | 1     | 1,5   | 2     | 4,5   | 7     | 10    | 14    | 16    | 21    |
| FLT22S/TW-4,5               | 80-100 | 15100                       | 18100 | 22000 | 28000 | 31000 | 45000 |       |       |       |       |       |
| FLT22S/TW-10                | 80-100 | 7800                        | 8900  | 10000 | 12200 | 14200 | 20000 | 27500 | 32000 |       |       |       |
| FLT22S/TW-14                | 80-100 | 3800                        | 4600  | 5400  | 6200  | 7200  | 10000 | 13800 | 16200 | 19600 |       |       |
| FLT22S/TW-21                | 80-100 | 3800                        | 4600  | 5400  | 6200  | 7200  | 10000 | 13800 | 16200 | 19600 | 20000 | 24100 |

Note: the same figures are valid for the FLT22SS/TW



| DIMENSIONS (mm)   |     |     |     |     |             |                              |     |     |     |             |                              |     |     |     |             |
|-------------------|-----|-----|-----|-----|-------------|------------------------------|-----|-----|-----|-------------|------------------------------|-----|-----|-----|-------------|
| FLANGED EN 1092-1 |     |     |     |     |             | FLANGE ANSI B16.5 Cl.150 lbs |     |     |     |             | FLANGE ANSI B16.5 Cl.300 lbs |     |     |     |             |
| SIZE<br>DN        | A   | B   | C   | E   | WGT.<br>Kgs | A                            | B   | C   | E   | WGT.<br>Kgs | A                            | B   | C   | E   | WGT.<br>Kgs |
| 80 - 3"           | 440 | 155 | 312 | 200 | 71,9        | 440                          | 155 | 312 | 200 | 76          | 440                          | 155 | 312 | 200 | 79          |
| 100 - 4"          | 440 | 155 | 312 | 200 | 73,8        | 440                          | 155 | 312 | 200 | 79          | 440                          | 155 | 312 | 200 | 81          |



| MATERIALS |             |                                                                         |                                     |
|-----------|-------------|-------------------------------------------------------------------------|-------------------------------------|
| POS.Nr.   | DESIGNATION | MATERIAL<br>FLT22S/TW                                                   | MATERIAL<br>FLT22SS/TW              |
| 1         | Body        | P250GH / 1.0460 ; P235GH / 1.0305 ; S355J2G3 / 1.0570 ; S235JRG2/1.0038 | AISI316 / 1.4401 ; AISI304 / 1.4301 |
| 2         | Cover       | P235GH / 1.0305 ; P265GH / 1.0425 ; S355J2G3 / 1.0570                   | AISI316 / 1.4401 ; AISI304 / 1.4301 |
| 3         | *Gasket     | Graphite                                                                | Graphite                            |
| 4         | *Seat       | CF8 / 1.4308                                                            | CF8 / 1.4308                        |
| 5         | *Valve      | AISI420 / 1.4021                                                        | AISI420 / 1.4021                    |
| 6         | *Lever      | AISI304 / 1.4301                                                        | AISI304 / 1.4301                    |
| 7         | *Float      | AISI304 / 1.4301                                                        | AISI304 / 1.4301                    |
| 8         | *Air vent   | Stainless steel (Bimetalic)                                             | Stainless steel (Bimetalic)         |
| 9         | Bolts       | Steel 8.8                                                               | St. Steel A2-70                     |

\*Available spare parts.