

FOAM CHAMBER

CARBON STEEL, TYPE A, 850-1850 LPM



Foam Chambers are used in fixed foam systems for protection of Fixed Roof Storage Tanks. They provide the means to aerate the foam solution and allow foam to gently fall onto the liquid surface in the tank. At the same time, they incorporate arrangement to prevent the product vapours inside the tank from leaking out into the atmosphere.

Brief Description : AAAG Foam Chamber, Type A design, Inlet size 100 NB, Outlet size 200 NB, made of Carbon Steel, Inlet/ Outlet flanges as per ANSI 16.5 150#, with in-built vapour seal arrangement. Flow range shall be 850 to 1850 lpm (@ approx. 3.5 kg/cm²), and foam chamber shall be supplied with suitable orifice plate (as per flow requirement).

1.0 GENERAL DATA

| | | |
|-----|--------------------------|--------------------------------|
| 1.1 | Make | AAAG |
| 1.2 | Model | FCA100 |
| 1.3 | Inlet | 100 NB Flange (ANSI 16.5 150#) |
| 1.4 | Outlet | 200 NB Flange (ANSI 16.5 150#) |
| 1.5 | Material of Construction | Carbon Steel |
| 1.6 | Reference | -- |

2.0 MATERIAL OF CONSTRUCTION

| | | |
|-----|-----------------------|--|
| 2.1 | Body/Pipe | M.S. ERW Pipe IS:1239 Hot Dip Galvanized |
| 2.2 | Inlet/ Outlet Flanges | Carbon Steel ANSI 16.5 150lbs RF/ FF |
| 2.3 | Air Strainer mesh | Brass/ SS 304 |
| 2.4 | Air Strainer Cap | Aluminium alloy |
| 2.5 | Vapour seal | Glass |

3.0 TESTING AND QUALITY CONTROL

| | | |
|-----|-------------------|---|
| 3.1 | Dimensional check | See Drawing below |
| 3.2 | Operational test | Flow as per specification. Vapour seal rupture between 1 to 1.5 kg/cm ² inlet pressure |
| 3.3 | Documentation | Internal inspection report, supplier's certificates, approved laboratory test certificates |

4.0 OPERATIONAL/ TECHNICAL DATA

| | | |
|-----|------------------|-------------------------------|
| 4.1 | Working pressure | 3.5 to 14 Kgf/cm ² |
| 4.2 | Height (Approx.) | 950 mm |
| 4.3 | Weight (Approx.) | 45 Kgs. |

5.0 FINISH

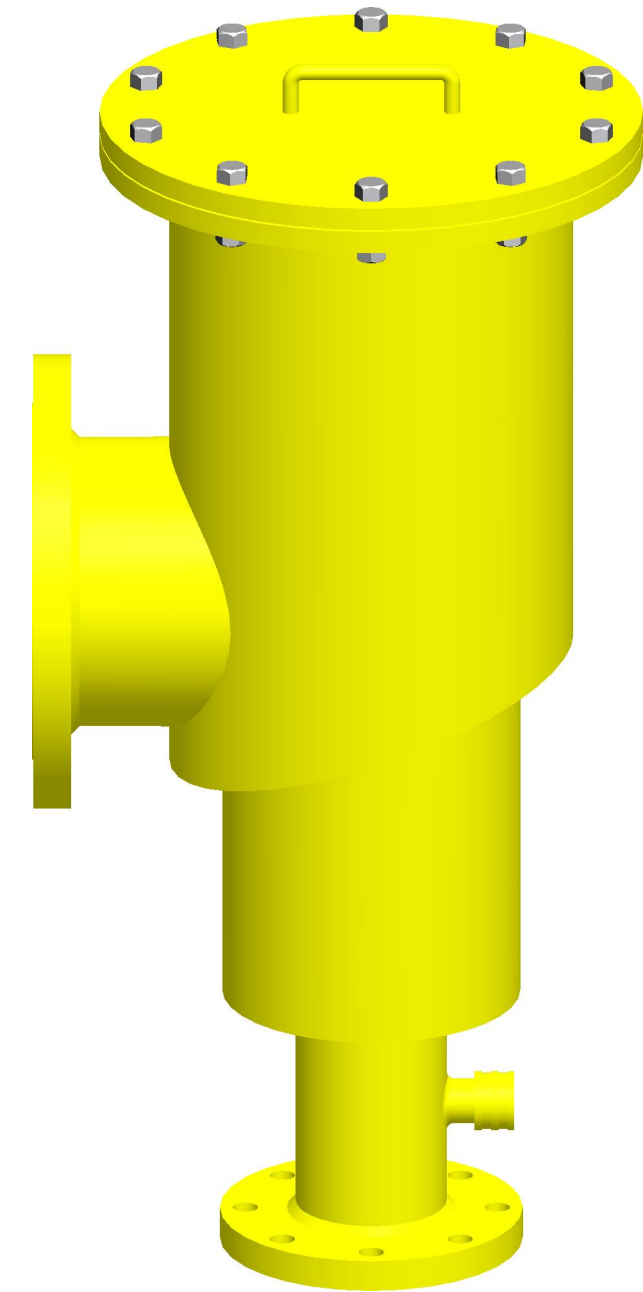
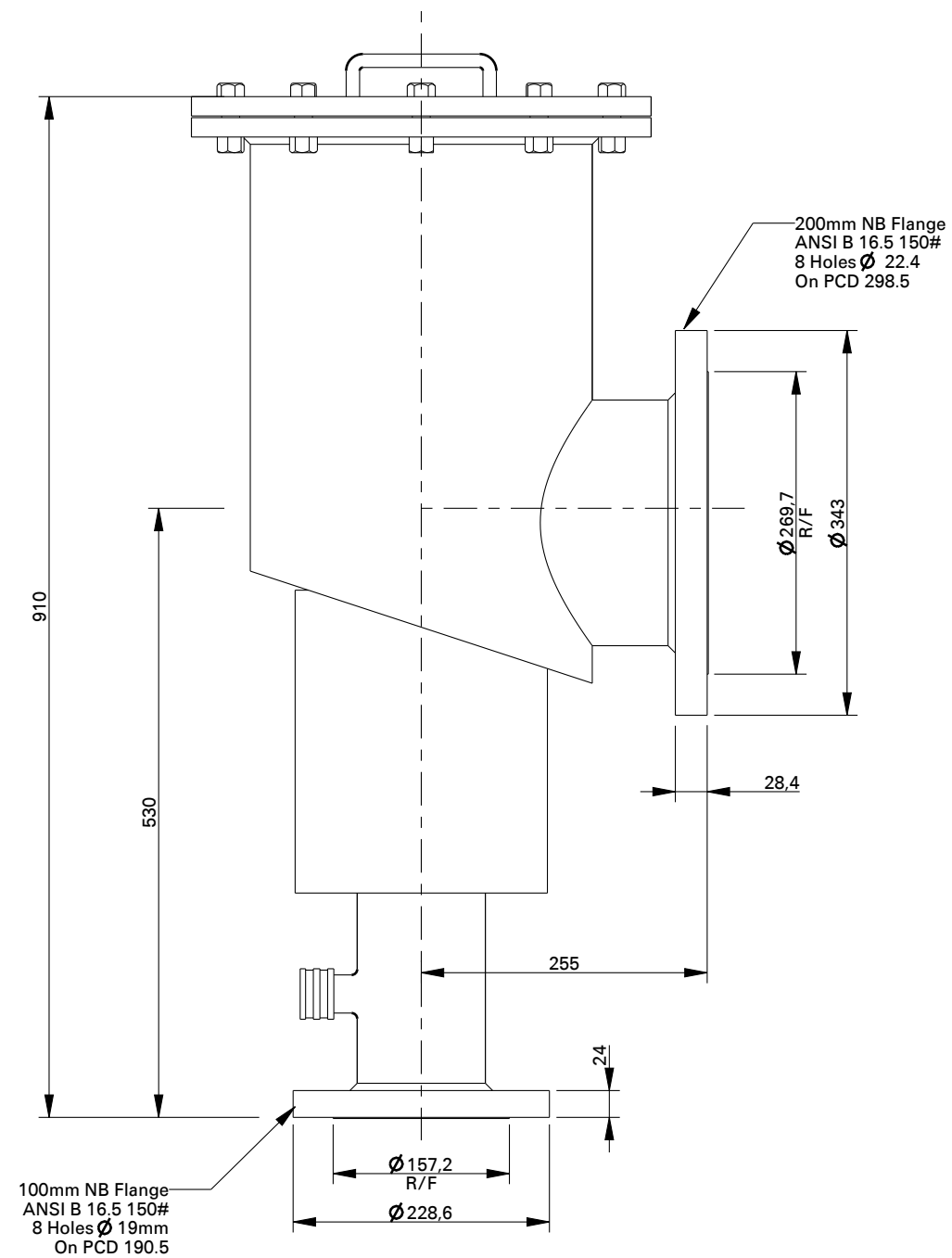
| | | |
|-----|--------------|---|
| 5.1 | Foam Chamber | Hot dip galvanized and Painted (Red/ Yellow colour) |
| 5.2 | Strainer | Natural finish |

6.0 APPROVALS & MARKING

| | | |
|-----|-----------|--------------------------------------|
| 6.1 | Approvals | -- |
| 6.2 | Marking | AAAG/ Year of Mfg./ Capacity/ Sl. No |

7.0 WARRANTY

| | | |
|-----|----------------------|-----------------------------------|
| 7.1 | Warranty & Guarantee | 12 Months from the date of supply |
|-----|----------------------|-----------------------------------|



NOTES :

CAPACITY : 900 LPM TO 1800 LPM @ 3.5 KGF/CM2



Shah Bhogilal Jethalal & Bros.

AHMEDABAD

TITLE :

Foam Chamber, Type A, 900 To 1800 Lpm Capacity, Carbon Steel, Conventional Design

| SCALE | DRAWING NO: | SHEET | REV. |
|-------|-------------|--------|------|
| N.T.S | M283-100BJ | 1 OF 1 | 0 |