

ATMOSPHERIC FOAM CONCENTRATE STORAGE TANK



TECHNICAL DATA

STORAGE CAPACITY	150 to 17500 Ltrs.
MATERIAL OF CONSTRUCTION	Stainless Steel (304 or 316)
EXPANSION DOME	2% of total tank capacity
FINISH	Red RAL 3001 or Yellow
ORDERING INFORMATION	Specify Tank capacity, Material of construction of tank. Optional: Accessories.

APPLICATION

Atmospheric foam concentrate storage tank is used with Inline Foam Inductor, Balance Pressure Foam Proportioner and Inline Balance Pressure Foam Proportioning system. Refer to data-sheets of these devices for equipment operational and installation guidelines.

DESCRIPTION

The atmospheric foam concentrate storage tank is manufactured in stainless steel material. The tank is provided with an expansion dome with a volume not less than 2% of the total capacity of the tank. All the tanks must be kept filled upto the level of half way of expansion dome. A sediment sump is provided at the bottom of the concentrate tank. The tank is provided with an inlet, an outlet, a drain connection and a fill connection. The horizontal tanks are supported by two saddles/legs welded to the tank and drilled for anchoring. Tank is provided with lifting lugs, designed to lift empty tanks. The tank has flat ends but can be provided with dished ends if needed.

When using AFFF or AR-AFFF type foam concentrates in the storage tank, it is recommended that a thin layer (approximately 6mm) of a quality mineral oil be placed on the surface of the foam concentrate after filling the tank with the correct quantity. This alleviates the problem associated with evaporation of the foam concentrate. The foam concentrate should be inspected periodically following any of these standards: NFPA 11, EN 13565-2, or other relevant standards. For tanks containing mineral oil, special tools should be used during annual sampling exercise to make sure no oil is taken with the foam. Stainless steel pipes need to be used for all interconnecting piping to the tank, especially with HD AFFF/AR-AFFF types of foam concentrates.



INSTALLATION

- If the tank has been received in a satisfactory condition, place the tank in the desired level location and anchor to the ground. The tank should be lifted with the use of lifting lugs only.
- If possible, leave an area around the tank free from any walls, and obstacles, etc.
- All interconnecting piping must be self-supported firmly to prevent stress on the tank.
- Preferably the tank should be installed under a shed. If not, care should be taken that the ambient temperature of the environment does not go above 50 Deg Celsius. for long durations.

Reference Catalogues:

Inline Foam Inductors: HD 187

Inline Balance Pressure Proportioners: HD 298

Foam Concentrate By-Pass Valve: HD 186

Skid Mounted Balance Foam Proportioning System: HD 190

The tank is provided with following as standard supply:

1. Fill connection with expansion dome.
2. Drain connection at bottom.
3. Flanged suction connection at the bottom of tank.
4. Flanged return connection at the bottom or at the top of tank.
5. Site Gauge
6. Air Vent
7. Lifting Lugs

Optional Supply:

1. Pressure Vacuum Vent
2. Ladder
3. Level Switch
4. Custom connections and interconnecting piping

LIMITED WARRANTY

HD FIRE PROTECT PVT. LTD. hereby referred to as HD FIRE warrants to the original purchaser of the fire protection products manufactured by HD FIRE and to any other person to whom such equipment is transferred, that such products will be free from defect in material and workmanship under normal use and care, for two (2) years from the date of shipment by HD FIRE. Products or Components supplied or used by HD FIRE, but manufactured by others, are warranted only to the extent of the manufacturer's warranty. No warranty is given for product or components which have been subject to misuse, improper installation, corrosion, unauthorized repair, alteration or un-maintained. HD FIRE shall not be responsible for system design errors or improper installation or inaccurate or incomplete information supplied by buyer or buyer's representatives. HD FIRE will repair or replace defective material free of charge, which is returned to our factory, transportation charge prepaid, provided after our inspection the material is found to have been defective at the time of initial shipment from our works. HD FIRE shall not be liable for any incidental or consequential loss, damage or expense arising directly or indirectly from the use of the product including damages for injury to person, damages to property and penalties resulting from any products and components manufactured by HD FIRE. HD FIRE shall not be liable for any damages or labour charges or expense in making repair or adjustment to the product. HD FIRE shall not be liable for any damages or charges sustained in the adaptation or use of its engineering data & services. In no event shall HD Fire's product liability exceed an amount equal to the sale price. The foregoing warranty is exclusive and in lieu of all other warranties and representation whether expressed, implied, oral or written, including but not limited to, any implied warranties or merchantability or fitness for a particular purpose. All such other warranties and representations are hereby cancelled.

NOTICE :

The equipment presented in this bulletin is to be installed in accordance with the latest publication standards of NFPA or other similar organisations and also with the provision of government codes or ordinances wherever applicable.

The information provided by us is to the best of our knowledge and belief, and consist of general guidelines only. Site handling and installation control is not in our scope. Hence we give no guarantee for result and take no liability for damages, loss or penalties whatsoever, resulting from our suggestion, information, recommendation or damages due to our product.

Product development is a continuous programme of HD FIRE PROTECT PVT. LTD. and hence the right to modify any specification without prior notice is reserved with the company.



HD FIRE PROTECT PVT. LTD.
Protecting What Matters Most to You

D-6/2, ROAD NO. 34, WAGLE INDUSTRIAL ESTATE, THANE 400 604, INDIA.
• TEL: + (91) 22 2158 2600 • FAX: +(91) 22 2158 2602
• EMAIL: info@hdfire.com • WEB: www.hdfire.com