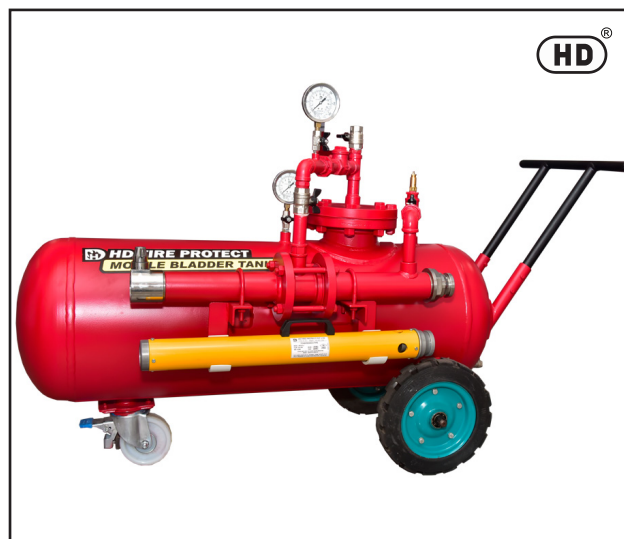


MOBILE BLADDER TANK PROPORTIONER



TECHNICAL DATA

MODEL	VIKRANT
FOAM CONCENTRATE STORAGE CAPACITY	120 litres 150 litres 180 litres
WORKING PRESSURE	Maximum 12 bar (200 psi) Minimum 4.1 bar (60 psi)
PROPORTIONER	Wafer type, Model RCW-S Size: 65 NB (2.5") Stainless Steel CIF8 (SS304) is standard supply, CIF8M (SS316) optional supply Flow: 100 to 1590 lpm with 3% AFFF & 165 to 528 lpm with AR-AFFF 3x3% Refer Product Catalogue No. HD 263
BRANCH PIPE	Model BP, Aluminium, Air Aspirating type Flow: 225 lpm standard supply 450 lpm optional supply Refer Product Catalogue No. HD196 for branch pipe. Non-air aspirating nozzle with ball shut-off valve is optional.
TANK	Steel tank fabricated as per ASME Code
DIAPHRAGM	Buna-N Rubber
PROPORTIONER INLET & OUTLET	2.5" BS instantaneous coupling standard supply
WHEELS	Steel with solid rubber
HOSE	Optional supply: 2.5" x 15 meters long with 2.5" instantaneous coupling or 1½" NH or NPSH coupling
FINISH	Epoxy Red Paint



DESCRIPTION

It is self contained foam proportioning unit, equipped with discharge hoses and branch pipe. The unit is mobile, mounted on two wheels and handle for one man mobility.

APPLICATION

Ideal for warehouses, air craft hangers, helipad, refineries, docks, industrial and truck loading rocks.

FEATURES

- Self contained mobile proportioning unit
- Balance pressure accuracy
- One-man operated
- No-back pressure limitation as incurred in Inline Foam Inductor
- Each unit is provided with foam branch pipe, pre-piped foam proportioner and foam concentrate shut-off valve to permit water supply only
- Water inlet hose and discharge hose are optional supply
- Hose mounting bracket supplied as standard supply

PRINCIPLE OF OPERATION

The instructions for filling are provided with the equipment. Once the main water flow is established and water inlet and foam outlet valves are opened, the water enters the area between vessel wall and bladder, applying pressure to the bladder. The foam concentrate is forced out of the bladder through the foam concentrate outlet pipe and into the ratio controller through metering orifice. The concentrate pressure and water inlet pressure at ratio controller will be same, as the main water supply pressure is utilised to expel the foam from the bladder. The water flowing through the ratio controller jet creates a low pressure area for foam concentrate. This injects the concentrate in to the ratio controller through an accurate sized orifice proportioned to water venturi. This ensures correct proportioning over a wide range of flow condition.

The bladder tank proportioning system operates on same principle as that of a balance pressure proportioning system. In bladder system, the bladder is used as diaphragm to separate the water and foam concentrate within the tank. The foam concentrate is injected into the ratio controller utilising water pressure.

The system is also supplied with foam concentrate control valve as an optional item. The valve allows concentrate flow only when minimum of 2.1 kg/sq.cm water pressure is established in the system. For pressure drop and flow characteristics refer catalogue of ratio controller.

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.



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