

BLADDER TANK



IMEN MAHAN ARYA
www.lmacofire.com

TECHNICAL DATA

MODEL	IMF-BFP
NOMINAL CAPACITY(litter)	500,1000,1500,2000,3000,5000, 7000,10000,15000
WORKING PRESSURE	UP to 18 Bar
Hydrostatic tested to pressure	18 bar (261psi) for 30 min.
Complete Internal Piping	Stainless Steel 304
FLANGE CONNECTION	Flange drilling matching to ANSI #150 B16.42
Internal Coating	Coal Tar Epoxy
External Coating	Corrosion Resistant coating Shade No. RAL 3000.
Water Piping	Carbon Steel to SA-106 Gr.B, Seamless Schedule 40. Hydrostatic tested to pressure of 18 Kg/sq.cm (261 psi) for 30 min.
Foam Piping	Stainless Steel to SA-312 TP304, Schedule 40. Hydrostatic tested to pressure of 18 Kg/sq.cm (261 psi) for 30 min.
APPROVAL	UL and FM certified by TUV-ICB, Knowledge Base, University of TEHRAN
ORDERING INFORMATION	Specify 1) capacity 2) Proportioner flow rate 3) foam mixing ratio



Description

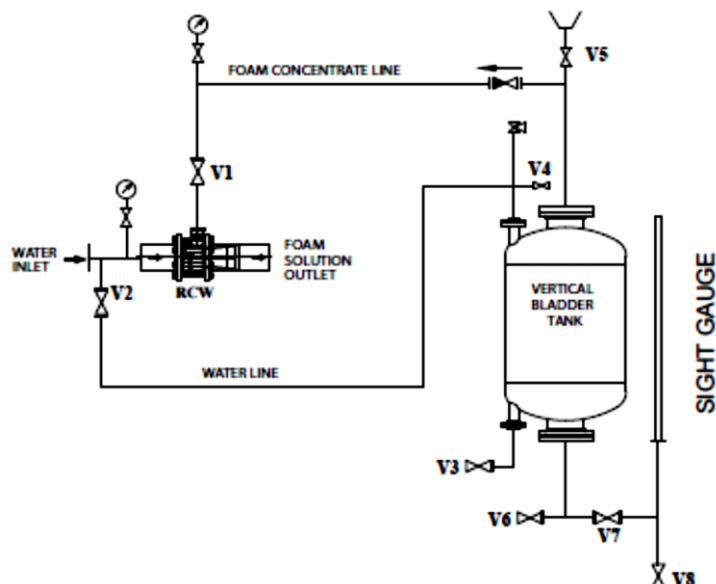
The ImacoFire Bladder Tank Foam Proportioning System utilizes the water pressure to inject foam concentrate into a water supply and automatically proportions foam concentrate over wide range of flow and pressure, with very low pressure drop. This system does not require a foam concentrate supply pump. The Bladder Tank Foam Proportioning Systems are

available with vertical bladder tanks. The carbon steel tanks are designed and constructed in accordance with ASME Code Section VIII Div.1 for unfired pressure vessels. The maximum working pressure is 14Bar (175 PSI). The vertical tank assembly is supported by legs welded to tank with provision for anchoring. Tank is provided with lifting lugs. The system is supplied with pressure vessel, bladder, fill and drain valve for water and foam concentrate, ratio controller and vent valve. Ladder and sight gauge assembly are supplied as optional items on request.

ImacoFire Co.

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Valve NO.	Description	Normal position	
		Manual	Auto
V1	FOAM CONCENTRATE SHUT OFF VALVE	CLOSED	-----
V1A	AUTO FOAM CONCENTRATE SHUT OFF VALVE	-----	CLOSED
V2	WATER PRESSURE SHUT OFF VALVE	OPEN	OPEN
V3	TANK WATER DRAIN VALVE	CLOSED	CLOSED
V4	TANK WATER VENT VALVE	CLOSED	CLOSED
V5	CONCENTRATE VENT	CLOSED	CLOSED
V6	CONCENTRATE FILL / DRAIN VALVE	CLOSED	CLOSED
V7	SIGHT GAUGE FILL VALVE	CLOSED	CLOSED
VB	SIGHT GAUGE DRAIN VALVE	CLOSED	CLOSED
B1	MANUAL OVER RIDE VALVE	-----	OPEN
B2	RESTING VALVE	-----	CLOSED

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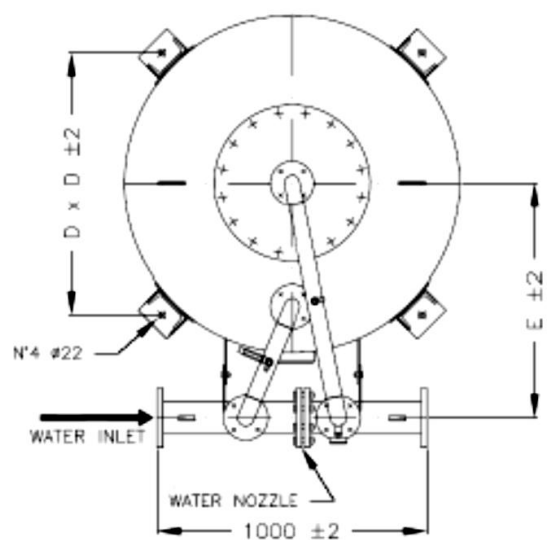
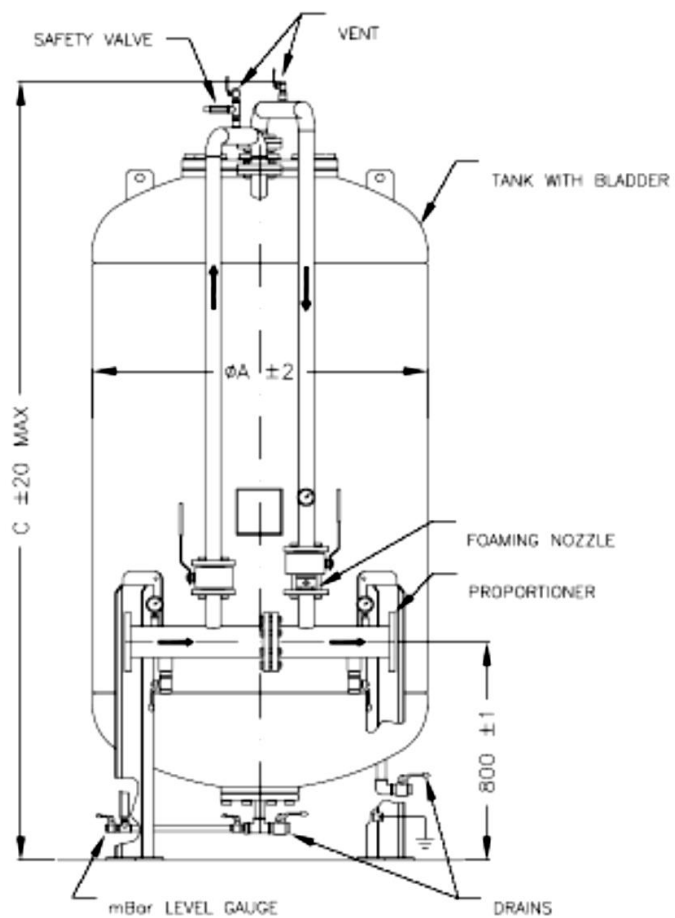
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SYMBOLS AND ABBREVIATION

	NON RETURN VALVE		PRESSURE GAUGE
	VALVE		FUNNEL
	SAFETY VALVE		RATIO CONTROLLER





DIMENSIONAL TABLE

MODEL	DIMENSION				MAX EMPTY WEIGHT Kgs.	CAPACITY Lts
	A	C	D	E		
IMF-PI5	800	1905	624	650	413	500
IMF-PI6	800	2115	624	650	440	600
IMF-PI8	800	2515	624	650	497	800
IMF-PI10	1000	2195	790	750	519	1.000
IMF-PI15	1000	2785	790	750	625	1.500
IMF-PI20	1100	3045	864	800	845	2.000
IMF-PI25	1170	3265	914	800	915	2.500
IMF-PI30	1270	3330	984	860	1137	3.000
IMF-PI35	1360	3365	1048	900	1234	3.500
IMF-PI40	1450	3420	1112	950	1307	4.000
IMF-PI45	1450	3685	1112	950	1396	4.500
IMF-PI50	1600	3495	1245	1050	1455	5.000
IMF-PI55	1600	3710	1245	1050	1539	5.500
IMF-PI60	1750	3575	1351	1150	1589	6.000
IMF-PI65	1750	3680	1351	1150	1642	6.500
IMF-PI70	1750	3925	1351	1150	1741	7.000
IMF-PI75	1750	4120	1351	1150	1824	7.500
IMF-PI80	1960	3705	1534	1200	2124	8.000
IMF-PI85	1960	3855	1534	1200	2212	8.500
IMF-PI90	2100	3795	1636	1300	2668	9.000
IMF-PI100	2200	3845	1707	1350	2826	10.000
IMF-PI110	2200	3975	1707	1350	2929	11.000
IMF-PI120	2200	4245	1707	1350	3125	12.000
IMF-PI150	2200	5145	1707	1350	3743	15.000

(i) WARNING

Inspection and testing is to be carried out only by authorized and trained personnel. DO NOT TURN OFF the water supply or close any valve to make repair(s) or test the valve, without placing a roving fire patrol in the area protected by the system. Also inform the local security personnel and central alarm station, so that a false alarm is not signalled. It is recommended to carry out physical inspection of the system at least twice in a week.

The inspection should verify that all the control valves and Tank are in proper position as per the system requirement and no damage has taken place to any component.