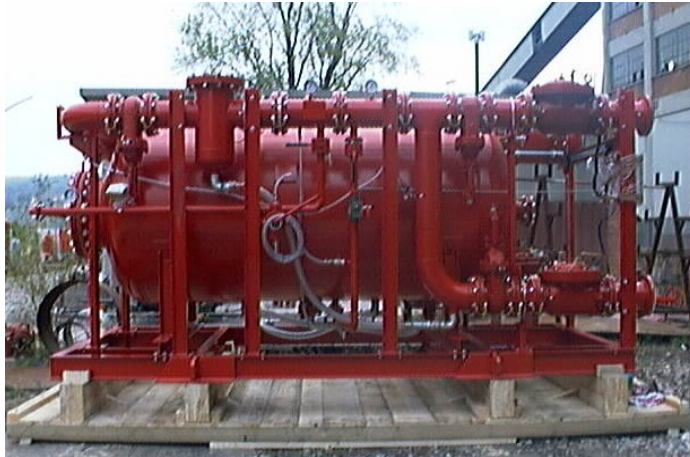




FOAM PROPORTIONAL BLADDER TANK



VERTICAL TYPE



BLADDER TANK 20.000 liters
HORIZONTAL TYPE



DUAL 8000 liters–16 tons MAIN & RESERVE

Description

The Bladder Tank is one component in a balanced pressure foam proportioning fire protection system. It requires no external power other than water pressure to ensure correct operation. The Bladder Tank are designed and made in accordance with the latest revisions to ASME code, Section VIII or to European PED codes, for pressure vessels. A flexible Nylon reinforced Hypalon like rubber internal Bladder holds the foam concentrate and keep sit from coming into contact with water or the inside of the Tank shell. The center discharge piping, located within the Bladder, insures that the foam concentrate flows to the bottom discharge. The center piping supply water into the Bladder and insures the foam to flow upside the tank sheel. For small size tank foam concentrate can be placed either in the membrane or in the sheel, from 2000 lt. We racomend to place foam concentrate into the shell to avoid membrane stress with shorten life. Bladder Tank are available in carbon steel & stainless steel. For carbon steel shell foam is always placed in the internal shell it Is racommanded to protect it with ceramic paint. The foam line is racommanded to be in stainless steel as well as ratio controller and venturi devices ratio can be set at 3 +6% others. Flow on request

Applications

All use of water foam which require accurate ratio and mixing without pumps. Pipeline storage facility, Oil production, off-shore, on-shore, chemical & petrochemical plants, Hangar, Loading Bays, Piers, Tanks and any use of monitors to extinguishing fire from liquid Hydrocarbons.

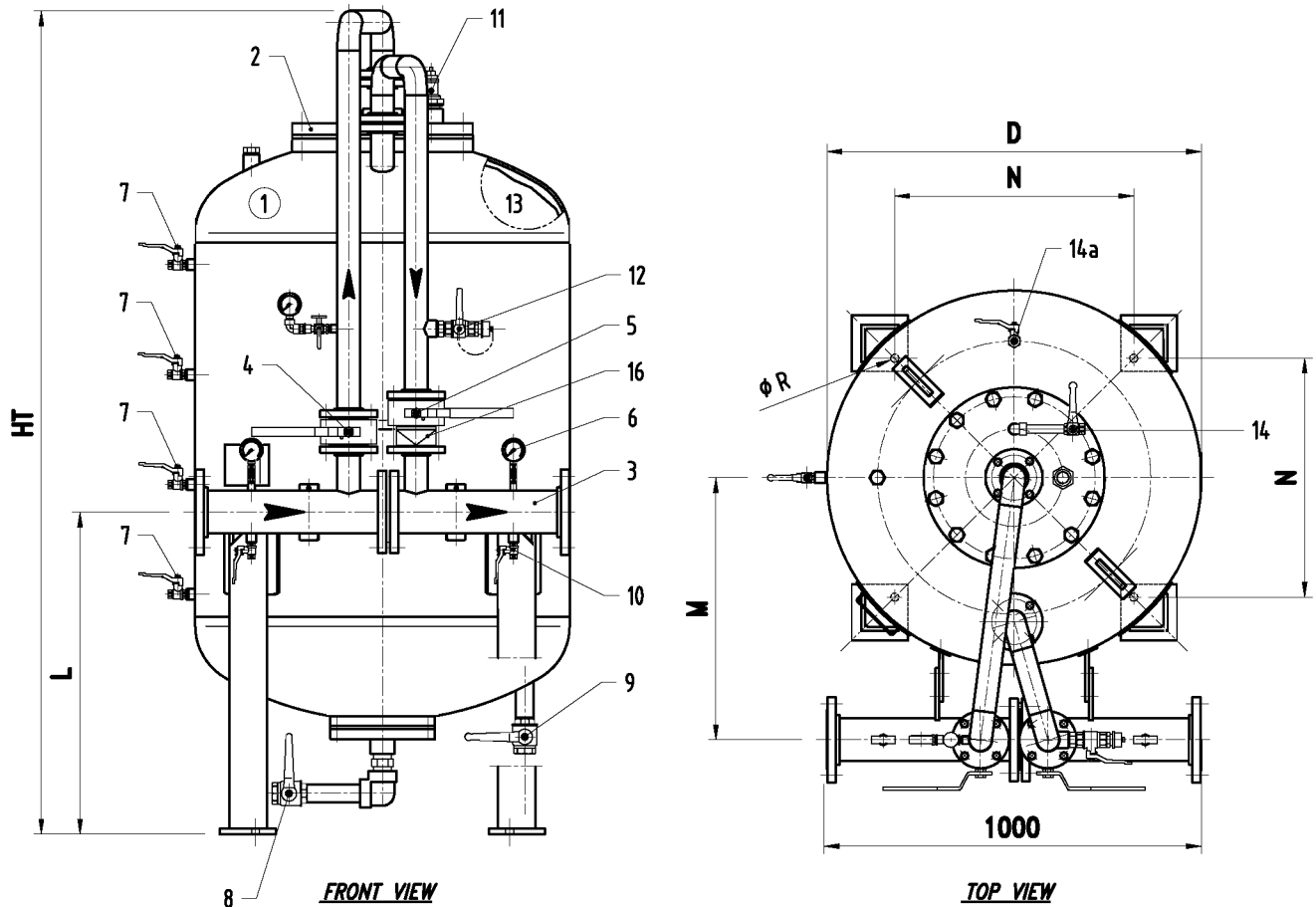


SES - ENSER
Engineering
Fire Protection Technology

PREMESCOLATORE VERTICALE A MEMBRANA - PMSV

VERTICAL BLADDER TANK FOAM PROPORTIONER TYPE - PMSV

DIMENSIONI - DIMENSIONS



CARATTERISTICHE - TECHNICAL DATA

PRESSIONE ESERCIZIO - WORKING PRESSURE : 5 to 14 bar
 PRESSIONE PROGETTO - DESIGN PRESSURE : 14 bar
 PRESSIONE PROVA - TEST PRESSURE : 19 to 21 bar
 TEMPERATURA - TEMPERATURE : -10 ÷ +50 °C

LEGENDA:

- 1- SERBATOIO - FOAM CONCENTRATE TANK
- 2- PASSO D'UOMO DIA. 16" - MANHOLE dia. 16"
- 3- PROPORZIONATORE - FOAM PROPORTIONER
- 4- VALVOLA A SFERA INTERCETT. ACQUA - BALL VALVE WATER INLET
- 5- VALVOLA A SFERA USCITA SCHIUMA - BALL VALVE FOAM COMPOUND OUTLET
- 6- MANOMETRI - MANOMETERS
- 7- VALVOLA A SFERA INDIC. LIVELLO SCHIUMOGENO
BALL VALVE FOAM COMPOUND LEVEL INDICATOR
- 8- VALVOLA A SFERA SCARICO MEMBRANA - BALL VALVE BLADDER DRAINAGE
- 9- VALVOLA A SFERA SCARICO SERBATOIO - BALL VALVE TANK DRAINAGE
- 10- VALVOLA A SFERA DRENAGGIO LINEA - BALL VALVE PIPELINE DRAINAGE
- 11- VALVOLA DI SICUREZZA - SAFETY VALVE
- 12- VALVOLA A SFERA CARICO SCHIUMOGENO - BALL VALVE FOAM COMP. FILLING
- 13- MEMBRANA - BLADDER
- 14- VALVOLA A SFERA SFIATO MEMBRANA - BALL VALVE BLADDER VENT
- 14a- VALVOLA A SFERA SFIATO SERBATOIO - BALL VALVE TANK VENT
- 16- VALVOLA DI RITEGNO - CHECK VALVE

DIMENSIONI - DIMENSIONS

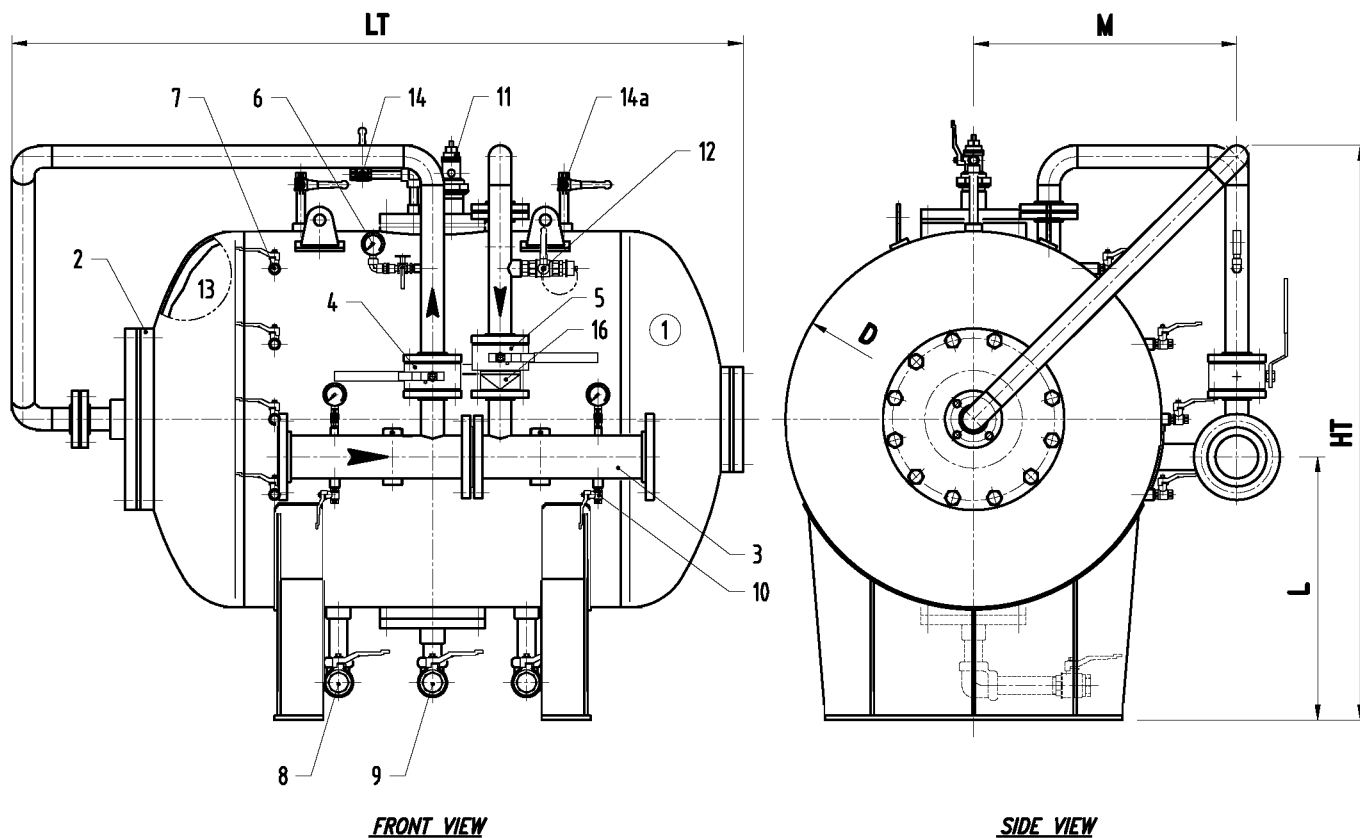
MODEL	CAPACITY [lit.]	DIMENSIONS [mm]						WEIGHT KG
		D	HT	L	M	N	R	
PMSV-6	600	1000	1650	900	700	638	22	380
PMSV-10	1000	1000	2170	900	700	638	22	540
PMSV-15	1500	1000	2870	900	700	638	22	680
		1350	2070	1000	900	885	22	600
PMSV-20	2000	1000	3570	900	700	638	22	850
		1350	2370	1000	900	885	22	800
PMSV-25	2500	1350	2720	1000	900	885	22	940
		1600	2270	1000	1000	1063	25	1050
PMSV-30	3000	1350	3070	1000	900	885	22	1000
		1600	2570	1000	1000	1063	25	1200
PMSV-40	4000	1600	3070	1000	1000	1063	25	1440
PMSV-50	5000	1600	3570	1000	1000	1063	25	1640
PMSV-60	6000	1900	3270	1100	1100	1274	25	1900
PMSV-70	7000	1900	3670	1100	1100	1274	25	2150
PMSV-80	8000	1900	3970	1100	1100	1274	25	2300
PMSV-100	10.000	1900	4770	1100	1100	1274	25	2700
PMSV-110	11.000	1900	5070	1100	1100	1274	25	2850

SES-ENSER Engineering si riserva di apportare modifiche tecniche ed estetiche senza obbligo di preavviso
 SES-ENSER Engineering reserves the right to make technical and aesthetic modification without prior notice

DOC. Nr. SES-PMSV-D001 rev. 0



DIMENSIONI - DIMENSIONS



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DIMENSIONI - DIMENSIONS

MODEL	CAPACITY [L.]	DIMENSIONS [mm]					WEIGHT KG
		D	HT	L	M	LT	
PMSH-6	600	1000	1550	700	700	1360	480
PMSH-10	1000	1000	1550	700	700	1880	640
PMSH-15	1500	1000	1550	700	700	2580	780
		1350	1950	900	900	1780	700
PMSH-20	2000	1000	1550	700	700	3280	950
		1350	1950	900	900	2080	900
PMSH-25	2500	1350	1950	900	900	2430	1140
		1600	2150	900	1100	1980	1250
PMSH-30	3000	1350	1950	900	900	2780	1200
		1600	2150	900	1100	2280	1400
PMSH-40	4000	1600	2150	900	1100	2780	1640
PMSH-50	5000	1600	2150	900	1100	3280	1840
PMSH-60	6000	1900	2400	900	1300	2980	2200
PMSH-70	7000	1900	2400	900	1300	3380	2450
PMSH-80	8000	1900	2400	900	1300	3680	2600
PMSH-100	10.000	1900	2400	900	1300	4480	3000
PMSH-110	11.000	1900	2400	900	1300	4780	3150

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