FOAM BLADDER TANK

VERTICAL TYPE HORIZONTAL TYPE

Baian foam system bladder tanks provide accurate , dependable, and cost-effective foam fire protection for a variety of flammable hazard areas , with no external power other than water pressure . water is applied to the outside surface of the bladder , displacing foam concentrate inside the bladder , which then is injected into the water stream .

Bladder tanks are components of balanced-pressure proportioning systems ,tank , bladder, inlet series , outlet series , pressure gauge , exhaust system and pipe system , which often are installed on helicopter desks and in sama ll aircraft hangers , storage facilities , and warehouses, power plant and other place. Baian tanks are ava-liable in vertical and horizontal type configurations .

Horizontal bladder tank

DESCRIPTION

The baian bladder tank is one component in a balanced pressure foam proportioning system . It requires no external power other than water pressure to ensure correct operation . The horizontal and vertical bladder tanks are designed and constructions in accordance with the unfired pressure vesseled with a working pressure of 87psi to 174 psi pressure.

SPECIFICATIONS

The tank shell is constructed of steel , complying with china common specifications , prosses sing a trim tensile strength of no less then 70,000 psi. The circumferential , as well as the longitudinal body seam , are machine weled. The tank interior welds and edges are ground smooth..

The tank shell water inlet and tank shell water drain is screened to prevent bladder blow out or the entrapment od debris between the tank shell and the bladder.

The vertical tank assembly is supported by four legs with access to the bladder drain valve and the tank shell fill valve. Four legs are provided for anchoring the tank. The horizontal assembly is supported on two saddles weled to the tank and fitted with anchoring holes.

FEATURES

***CCC, ISO, WSF CERTIFICATED**

***Bladder is a manufactured of a vinyl based polymer , or a polyester reinforced copolymer. The bladder material shall have an tensile strength of at least 3000 psi.**

***All valves are labeled showing normal working position and function .**

*** Both the vertical and horizontal tanks contain a perforated PVC center tube that assures maximum agent discharge.**

***Tanks are painted red enamel.**

ORDER INFORMATION

Pls specify the flowing

Type of tank required , horizontal or vertical

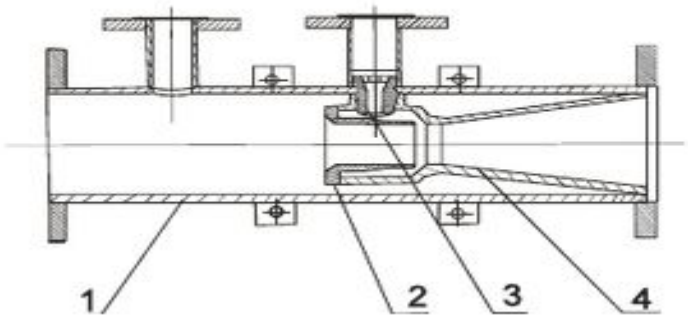
Size of thank

Flow capability of the proportional system

Size of the proportional system

Mix proportion

FLANGE TYPE PROPORTIONAL SYSTEM

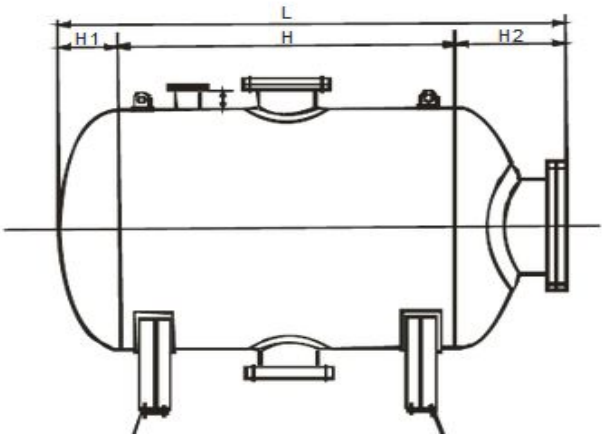


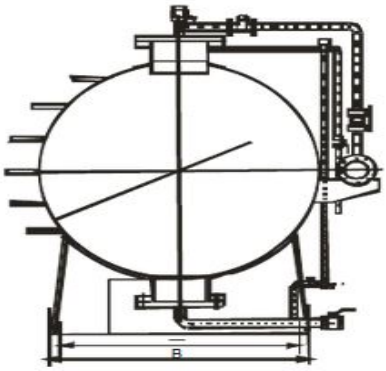
1.seat 2.jetting nozzle 3.pore plate 4.diffuser

Size		Flow capability	Flange size	Working pressure	Mix proportion	Pressure lost
Single type proportion	PHY32	4-32	DN100/150			
	PHY48	12-48	DN100/150			
	PHY80	24-80	DN100/150			

	PHY96	48-96	DN200	0.6-1.2 Mpa	3% or 6%	±10%
Combined type proportion	PHY32*2	4-64	DN150			
	PHY32*3	4-96	DN200			
	PHY48*2	12-96	DN200			
	PHY80*2	48-160	DN200			

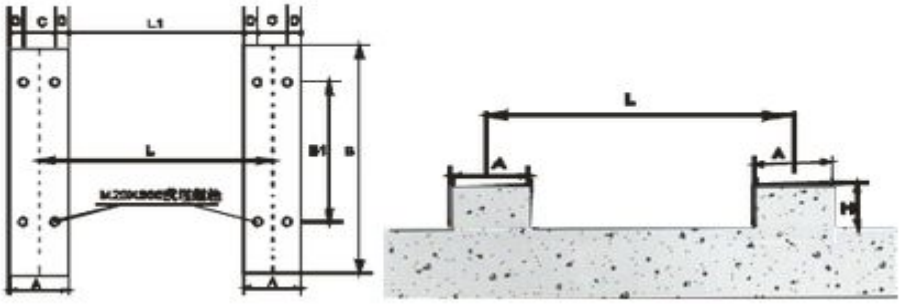
HORIZONTAL TYPE TECHNICAL PARAMETERS





Size	Volume M3	Flow capability L/S	Tank inner diameter mm	Working pressure Mpa	Size of shape					Mix proportion	Pipe diameter DN mm	Weight KG
					H1	H2	H	L	B			
PHYM8/5	0.5	8	800	06-1.2 MPA	280	430	1000	1800	750	3% OR 6%	50/65	700
PHYM8/10	1		1000		300	450	1200	1950	850			900
PHYM32/10	1	32	1000		300	450	1200	1950	850		50/85	900
PHYM32/20	2		1200		350	500	1500	2350	1050		100/150/200	1400
PHYM32/30	3		1400		375	600	1575	2485	1030			1650
PHYM80/40	3	80	1400		375	600	1575	2485	1030			1650
PHYM80/50	4		1600		450	650	1500	2600	1450			2200
PHYM80/60	5		1600		450	650	2200	3300	1450			2800
PHYM80/70	6		1800		500	700	1900	3100	1650			3000
PHYM80/80	7		1800		500	700	2300	3500	1650			3200
PHYM80/80	8		1800		500	700	2700	3900	1650			3800
PHYM80/90	9		2000		550	750	2200	3500	1850			4100
PHYM80/100	10		2000		550	750	2500	3800	1850			4500
PHYM80/120	12		2200		550	750	2600	3950	2050			4900
PHYM80/150	15		2200		575	775	3000	5300	2050			5200

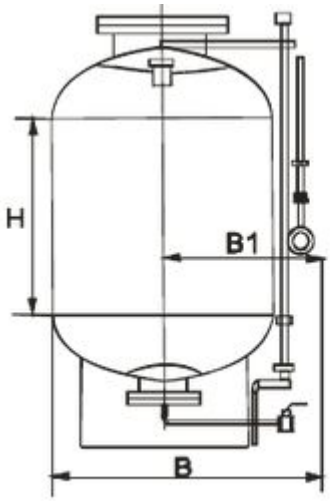
REMARKED : PHYM WAS TANK WITH BLADDER , PHY WITHOUT BLADDER

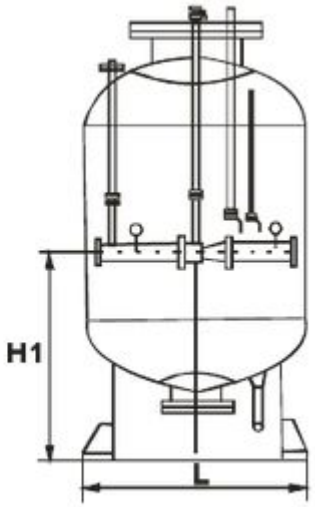


BASED DIAMETER

容积 m^3	L	B	B1	A	C	H	D	L1
1.0	800	850	700	260	80	300	90	540
2.0	1050	1050	900	260	80	300	90	790
3.0	1050	1250	1100	280	90	300	95	770
4.0	1050	1450	1300	300	100	300	100	750
5.0	1250	1450	1300	300	100	300	100	950
6.0	1250	1650	1500	320	105	300	300	930
7.0	1450	1650	1500	320	110	300	105	1130
8.0	1550	1650	1500	320	110	300	105	1440
9.0	1450	1850	1700	340	120	300	110	1110
10.0	1550	1850	1700	340	120	300	110	1210
12.0	1800	2050	1900	340	120	300	110	1680

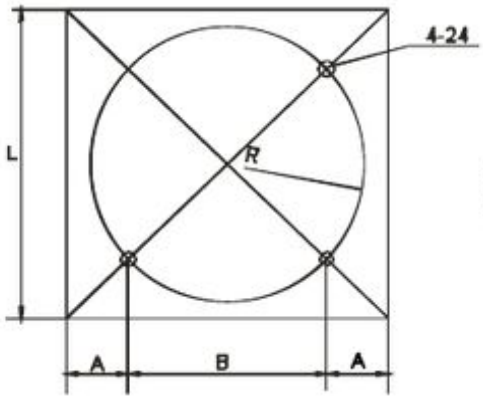
VERTICAL TYPE BLADDER TANK TECHNICAL PARAMETRS

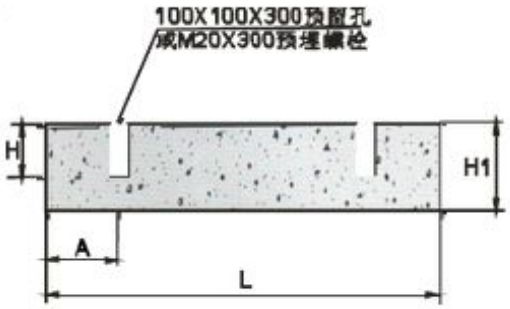




Size	Volume M3	Flow capability L/S	Tank inner diameter mm	Working pressure Mpa	Size of shape					Mix proportion	Pipe diameter DN mm	Weight KG
					H	H1	H3	L	A			
PHYM8/5	0.5	8	800		1000	280		1000				700
PHYM8/10	1		1000		1350	300		1200			50/65	900

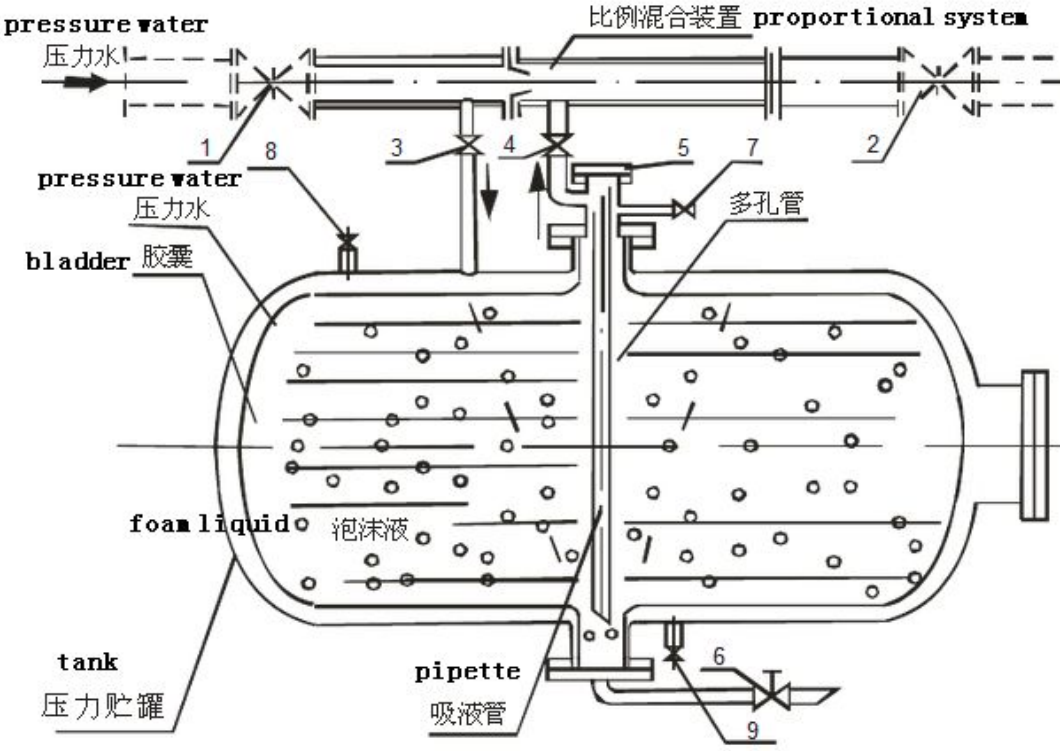
PHYM32/10	**1**		**1000**		**1350**	**300**		**1200**			**50/65**	**900**
PHYM32/20	**2**	**32**	**1200**		**1520**	**350**		**1400**				**1400**
PHYM32/30	**3**		**1400**		**1500**	**400**		**1600**				**1650**
PHYM80/40	**3**		**1400**		**1500**	**400**	**370**	**1600**	**180**			**1690**
PHYM80/50	**4**		**1600**	**06-1.2 MPA**	**1500**	**450**		**1800**		**3% OR 6%**		**2200**
PHYM80/60	**5**		**1800**		**1500**	**500**		**2000**			**100/150**	**2800**
PHYM80/70	**6**	**80**	**1800**		**1800**	**550**		**2000**				**3000**
PHYM80/80	**7**		**2000**		**1800**	**550**		**2000**				**3200**
PHYM80/80	**8**		**2000**		**2200**	**500**		**2000**				**3800**





容积 m^3	L	B	A	H	H1	R
1.0	1200	672	264	300	400	950
2.0	1400	814	293	300	400	1150
3.0	1600	9554	323	300	400	1350
4.0	1800	1096	352	300	400	1550
5.0	2000	1238	381	300	400	1750
6.0	2000	1238	381	300	400	1750
7.0	2200	1378	411	300	400	1950
8.0	2200	1378	411	300	400	1950

WORKING THEORY



1.Inlet valve 2. outlet valve 3.water inlet valve 4. outlet drain valve
5.flange cover 6.drain valve 7.bladder vent valve 8.vent valve 9.drain valve