



Product name	Bladder Tank MTB-H
Description	Membrane Pressure Tank - Horizontal
Producent	SKUM
Wydanie	1.0/2024

ZAPYTAJ O PRODUKT

1. General Description

A bladder tank is a steel vessel that contains an internal rubber bladder. The rubber bladder in turn contains foam concentrate. A bladder tank does not have any moving parts and requires a minimum amount of maintenance.

2. Application

Bladder tanks induce foam concentrate into water systems with variable flows and pressures. A bladder tank forms part of a foam proportioning system and is used in conjunction with a SKUM tank proportioner.

The system is ideal for upgrading a water sprinkler system to a foam and water sprinkler system. Constant proportioning, irrespective of flow, is achieved by a pressure balance between the foam liquid in the bladder and the water in the system flowing over the proportioner.

3. Features

- The tank is manufactured to PED (CE marked) standard
- Volumes up to 25 000 L are available
- The tank can be used with standard and wide range proportioners.

4. Connections

- Water: Flanged according to DIN PN16 or ANSI 150
- Foam: Flanged according to DIN PN16 or ANSI 150

5. Optional features

- Valve and level gauge
- Level indicator
- Fully pre-piped version complete with proportioners
- Hydraulically operated ball Valve WAFV
- Electrically operated ball valve ZA-NE

6. Ordering Information Specify

Specify the following information when ordering:

- Part number
- Tank type
- Tank size

7. Certificates, Approvals

- Manufacturer's Declaration of Conformity
- Pressure Equipment Directive (CE)
- Pressure Documents (Book of documentation)
- **National Technical Assessment**
no CNBOP-PIB-KOT-2023/0372-1005 rev 2
- **CNBOP National Certificate of Constancy of Performance No. 063-UWB-0513**
- **National Declaration of Performance**



8. Specifications - Dimensions

Design pressure	12,1 bar (175 psi)	
Design standard	PED (CE marked)	
Material: Pressure vessel	Carbon steel	
Material: Bladder	Butyl rubber	
Material: Internals (foam flange connectors, center perforated tube)	Stainless steel	
Surface treatment	Primer and red epoxy (outside)	
Scope of supply	Water / foam inlet and vent plugged	
	Butterfly valves, 2 in. or 3 in. (wafer types) on foam and water ports	
	Water drain valve: 1" Connection BSP female	Material: brass
	Water / Air vent valve: 1" Connection BSP female	Material: brass
	Foam filling / drain valve: 1" Connection BSP female	Material: stainless steel
	Foam / Air vent valve: 1" Connection BSP female	Material: stainless steel
Optional equipment	Hydraulically operated ball Valve	WAFV
	Electrically operated ball valve	ZA-NE

- Ball Valve for drain tank
No. 0017489



- Ball Valve for venting tank
No. 0017489



- Ball Valve for filling the bladder
No. 0022426



- Ball Valve for venting bladder
Nr. kat. 0022426



- Main butterfly Valve on the water line
No. 002587



- Main butterfly Valve on the water line
No. 002587



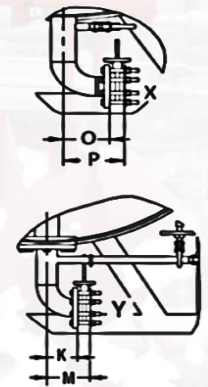
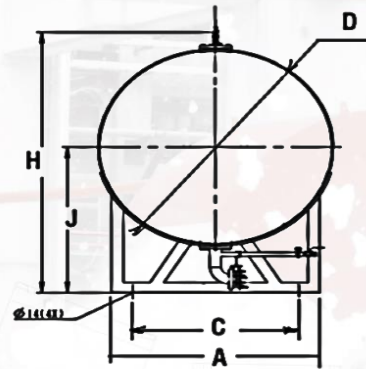
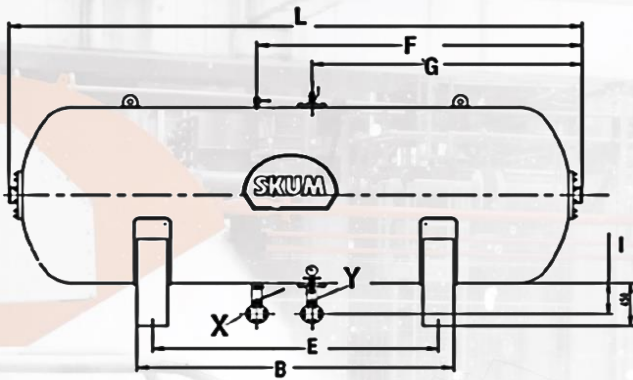
- Hydraulically operated ball Valve
No. 128005323 DN 50
No. 128008404 DN 80



- Electrically operated ball valve
No. 128015323 DN50
No. 128008404 DN80



9. Specifications - Dimensions



Dimensions [mm]

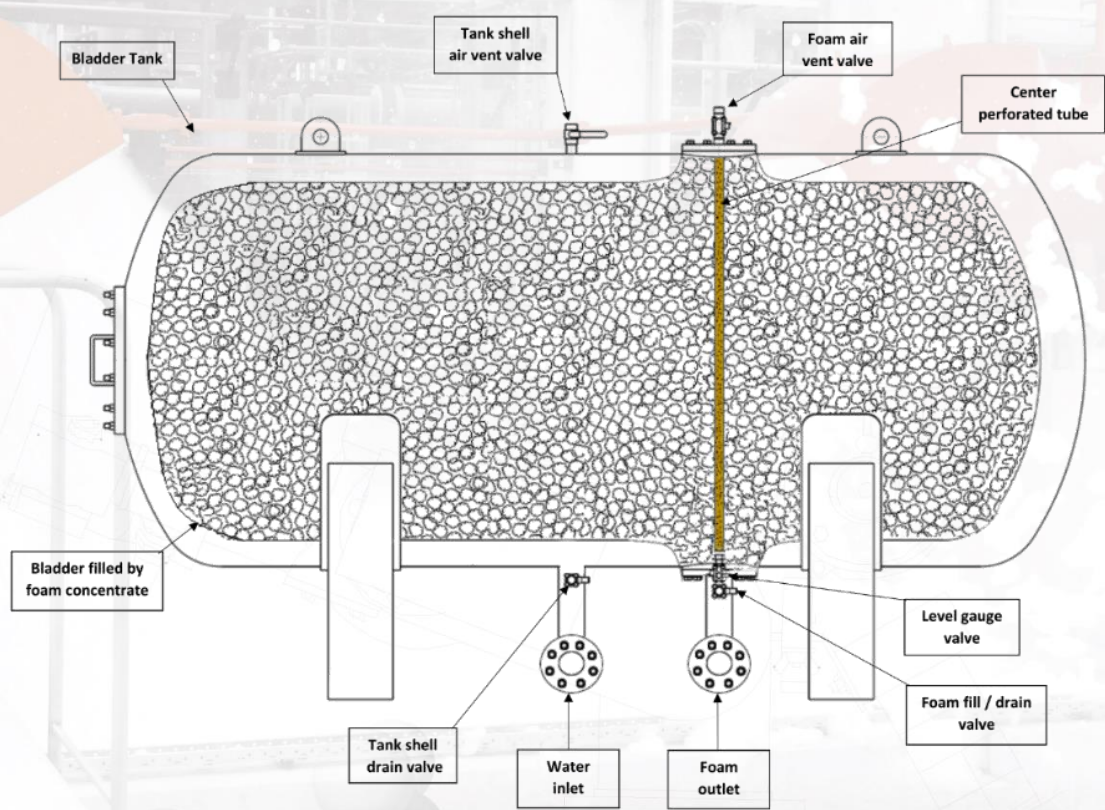
Connections

Part Number	Model (Ltr)	A	B	C	D	E	F	G	H	I	J	K	L	M	O	P	Water (X)	Foam (Y)	Weight (Kg)
127908113	400	710	410	500	800	330	726	488	1343	323	850	91	1054	141	119	169	2'	2'	280
127908210	600	710	730	500	800	650	863	563	1343	323	850	91	1054	141	119	169	2'	2'	340
127911113	800	710	1000	500	800	880	988	688	1343	323	850	91	1904	141	119	169	2'	2'	400
127911212	1000	960	610	700	1100	450	910	565	1643	323	1000	91	1416	141	119	169	2'	2'	480
127911310	1200	960	710	700	1100	590	915	615	1643	323	1000	91	1616	141	119	169	2'	2'	510
127911409	1500	960	940	700	1100	780	1015	715	1643	323	1000	91	1916	141	119	169	2'	2'	590
127911508	2000	960	1230	700	1100	1070	1215	915	1643	323	1000	91	2416	141	119	169	2'	2'	700
127914111	2500	1240	910	1000	1400	750	1166	766	2008	324	1150	133	2022	186	162	215	3'	3'	960
127914214	3000	1240	1240	1000	1400	1080	1391	891	2008	324	1150	133	2372	186	162	215	3'	3'	1140
127914312	3500	1240	1330	1000	1400	1170	1491	991	2008	324	1150	133	2672	186	162	215	3'	3'	1250
127914408	4000	1240	1590	1000	1400	1430	1641	1141	2008	324	1150	133	3072	186	162	215	3'	3'	1350
127914509	4500	1240	1850	1000	1400	1630	1741	1241	2008	324	1150	133	3372	186	162	215	3'	3'	1550

Part Number	Model (Ltr)	A	B	C	D	E	F	G	H	I	J	K	L	M	O	P	Water (X)	Foam (Y)	Weight (Kg)
127914613	5000	1240	2040	1000	1400	1820	1841	1341	2008	324	1150	133	3672	186	162	215	3'	3'	1620
127914710	5500	1240	2300	1000	1400	2080	1991	1491	2008	324	1150	133	4072	186	162	215	3'	3'	1730
127914814	6000	1240	2490	1000	1400	2270	2734	2234	2008	324	1150	133	4468	186	162	215	3'	3'	1850
127914911	6500	1240	2820	1000	1400	2600	2834	2334	2008	324	1150	133	4968	186	162	215	3'	3'	2000
127918113	7000	1640	1670	1300	1850	1450	2104	1604	2458	324	1375	133	3208	186	162	215	3'	3'	2300
127918210	7500	1640	1650	1300	1850	1430	2204	1704	2458	324	1375	133	3408	186	162	215	3'	3'	2400
127918308	8000	1640	1780	1300	1850	1560	2304	1804	2458	324	1375	133	3008	186	162	215	3'	3'	2480
127918409	8500	1640	1870	1300	1850	1650	2379	1879	2458	324	1375	133	3758	186	162	215	3'	3'	2550
127918511	9000	1640	2010	1300	1850	1790	2479	1979	2458	324	1375	133	3958	186	162	215	3'	3'	2650
127918613	9500	1640	2200	1300	1850	1920	2579	2079	2458	324	1375	133	4158	186	162	215	3'	3'	2900

Part Number	Model (Ltr)	A	B	C	D	E	F	G	H	I	J	K	L	M	O	P	Water (X)	Foam (Y)	Weight (Kg)
127918712	10000	1640	2330	1300	1850	2050	2679	2179	2458	324	1375	133	4358	186	162	215	3'	3'	3000
127918811	11000	1640	2550	1300	1850	2270	2854	2354	2458	324	1375	133	4708	186	162	215	3'	3'	3150
129918908	12000	1640	2880	1300	1850	2600	2954	2454	2458	324	1375	133	5208	186	162	215	3'	3'	3400
127919077	15000	2350	1820	2160	2250	1300	2434	1934	2888	218	1605	261	4367	361	183	215	3'	3'	4900
127919080	17000	2350	2140	2160	2250	1820	2944	1944	2888	218	1605	261	4887	316	183	283	3'	3'	5250
127919083	20000	2350	2900	2160	2250	2580	3324	2324	2888	218	1605	261	5647	361	183	283	3'	3'	5630
127919086	25000	2350	4200	2160	2250	3880	3974	2974	2888	218	1605	261	6943	361	183	283	3'	3'	6650

10. Construction



NIP: 531-163-86-70
REGON: 146196990