

Bladder Tank - Horizontal MTB-H

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.

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.

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



E000033

Connections

Foam and water inlet: flanged according to DIN PN16 or ANSI 150 lb.

Optional Features

- Valve and level gauge
- Level indicator
- Fully pre-piped version complete with proportioners

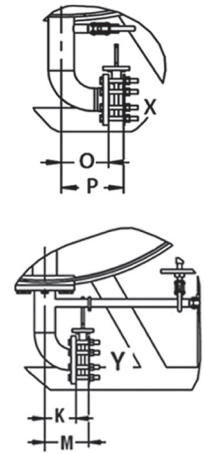
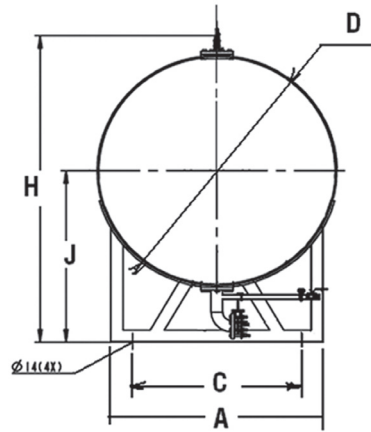
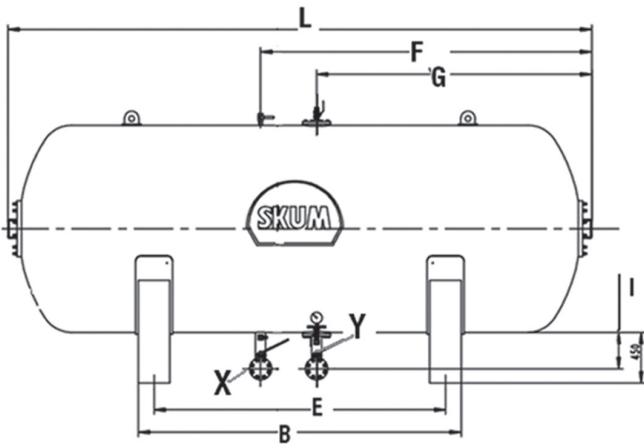
Ordering Information

Specify the following information when ordering:

- Part number
- Tank type
- Tank size

Specifications

Design pressure	12.1 bar (175 psi)
Design standard	PED (CE marked)
Material: Pressure vessel	Carbon steel
Material: Bladder	Butyl rubber
Material: Internals	Stainless steel
Surface treatment	Primer and red epoxy (outside)
Scope of supply	Water / foam inlet and vent plugged
	Stainless steel valves at the foam filling connection and vent
	Butterfly valves, 2 in. or 3 in. (wafer types) on foam and water ports
Scope of supply: Water drain valve	1 in. Connection BSP female
Scope of supply: Water / Air vent valve	1 in. Connection BSP female
Scope of supply: Foam / Air vent valve	1 in. Connection BSP female
Scope of supply: Foam filling / drain valve	1 in. Connection BSP female



Note: For dimensions, see the following tables.

Specifications

MTB-H reference	Model (L)	Dimensions (mm)														Connection		Weight kg	
		A	B	C	D	E	F	G	H	I	J	K	L	M	O	P	Water (X)		Foam (Y)
127908113	400	710	410	500	800	330	726	488	1,343	323	850	91	1,054	141	119	169	2 in.	2 in.	280
127908210	600	710	730	500	800	650	863	563	1,343	323	850	91	1,554	141	119	169	2 in.	2 in.	340
127911113	800	710	1,000	500	800	880	988	688	1,343	323	850	91	1,904	141	119	169	2 in.	2 in.	400
127911212	1,000	960	610	700	1,100	450	910	565	1,643	323	1,000	91	1,416	141	119	169	2 in.	2 in.	480
127911310	1,200	960	710	700	1,100	590	915	615	1,643	323	1,000	91	1,616	141	119	169	2 in.	2 in.	510
127911409	1,500	960	940	700	1,100	780	1,015	715	1,643	323	1,000	91	1,916	141	119	169	2 in.	2 in.	590
127911508	2,000	960	1,230	700	1,100	1,070	1,215	915	1,643	323	1,000	91	2,416	141	119	169	2 in.	2 in.	700
127914111	2,500	1,240	910	1,000	1,400	750	1,166	766	2,008	324	1,150	133	2,022	186	162	215	3 in.	3 in.	960
127914214	3,000	1,240	1,240	1,000	1,400	1,080	1,391	891	2,008	324	1,150	133	2,372	186	162	215	3 in.	3 in.	1,140
127914312	3,500	1,240	1,330	1,000	1,400	1,170	1,491	991	2,008	324	1,150	133	2,672	186	162	215	3 in.	3 in.	1,250
127914408	4,000	1,240	1,590	1,000	1,400	1,430	1,641	1,141	2,008	324	1,150	133	3,072	186	162	215	3 in.	3 in.	1,350
127914509	4,500	1,240	1,850	1,000	1,400	1,630	1,741	1,241	2,008	324	1,150	133	3,372	186	162	215	3 in.	3 in.	1,550

MTB-H reference	Model (L)	Dimensions (mm)														Connection		Weight kg	
		A	B	C	D	E	F	G	H	I	J	K	L	M	O	P	Water (X)		Foam (Y)
127914613	5,000	1,240	2,040	1,000	1,400	1,820	1,841	1,341	2,008	324	1,150	133	3,672	186	162	215	3 in.	3 in.	1,620
127914710	5,500	1,240	2,300	1,000	1,400	2,080	1,991	1,491	2,008	324	1,150	133	4,072	186	162	215	3 in.	3 in.	1,730
127914814	6,000	1,240	2,490	1,000	1,400	2,270	2,734	2,234	2,008	324	1,150	133	4,468	186	162	215	3 in.	3 in.	1,850
127914911	6,500	1,240	2,820	1,000	1,400	2,600	2,834	2,334	2,008	324	1,150	133	4,968	186	162	215	3 in.	3 in.	2,000
127918113	7,000	1,640	1,670	1,300	1,850	1,450	2,104	1,604	2,458	324	1,375	133	3,208	186	162	215	3 in.	3 in.	2,300
127918210	7,500	1,640	1,650	1,300	1,850	1,430	2,204	1,704	2,458	324	1,375	133	3,408	186	162	215	3 in.	3 in.	2,400
127918308	8,000	1,640	1,780	1,300	1,850	1,560	2,304	1,804	2,458	324	1,375	133	3,608	186	162	215	3 in.	3 in.	2,480
127918409	8,500	1,640	1,870	1,300	1,850	1,650	2,379	1,879	2,458	324	1,375	133	3,758	186	162	215	3 in.	3 in.	2,550
127918511	9,000	1,640	2,010	1,300	1,850	1,790	2,479	1,979	2,458	324	1,375	133	3,958	186	162	215	3 in.	3 in.	2,650
127918613	9,500	1,640	2,200	1,300	1,850	1,920	2,579	2,079	2,458	324	1,375	133	4,158	186	162	215	3 in.	3 in.	2,900

MTB-H reference	Model (L)	Dimensions (mm)														Connection		Weight kg	
		A	B	C	D	E	F	G	H	I	J	K	L	M	O	P	Water (X)		Foam (Y)
127918712	10,000	1,640	2,330	1,300	1,850	2,050	2,679	2,179	2,458	324	1,375	133	4,358	186	162	215	3 in.	3 in.	3,000
127918811	11,000	1,640	2,550	1,300	1,850	2,270	2,854	2,354	2,458	324	1,375	133	4,708	186	162	215	3 in.	3 in.	3,150
127918908	12,000	1,640	2,880	1,300	1,850	2,600	2,954	2,454	2,458	324	1,375	133	5,208	186	162	215	3 in.	3 in.	3,400
127919077	15,000	Available on request														3 in.	3 in.	-	
127919080	17,000															3 in.	3 in.	-	
127919083	20,000															3 in.	3 in.	-	
127919086	25,000															3 in.	3 in.	-	

Note: The converted values in this document are provided for dimensional reference only and do not reflect an actual measurement.

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