



Product name	Bladder Tank MTB-V
Description	Membrane Pressure Tank - Vertical
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 12 000 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

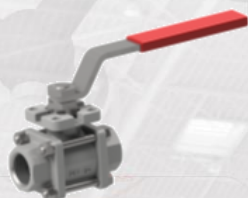
- Ball Valve for drain tank
No. 0017489



- 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



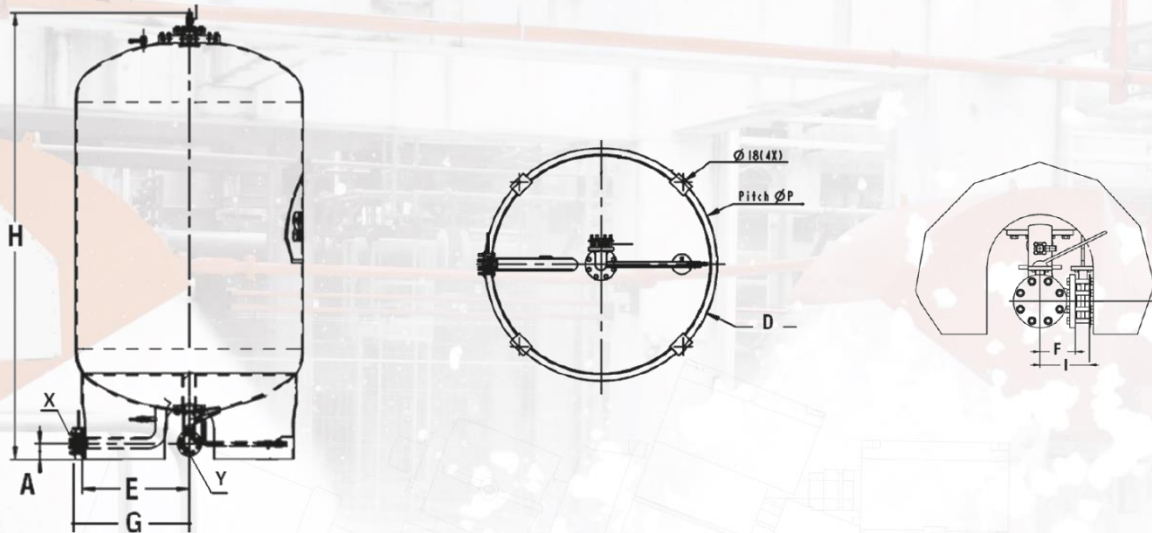
- Hydraulically operated ball Valve
No. 128005323 DN 50
No. 128008404 DN 80



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



9. Specifications - Dimensions



Dimensions [mm]

Connections

Part Number	Model (litry)	D	H	A	E	F	G	I	P	Water (X)	Foam (Y)	Weight (kg)
127708104	400	800	1563	98	362	91	412	141	785	2'	2'	275
127708207	600	800	2063	98	362	91	412	141	785	2'	2'	330
127711108	800	800	2413	98	362	91	412	141	785	2'	2'	370
127711209	1000	1100	1930	98	492	91	545	141	1049	2'	2'	450
127711299	1200	1100	2130	98	492	91	545	141	1049	2'	2'	500
127711407	1500	1100	2430	98	492	91	545	141	1049	2'	2'	550
127711510	2000	1100	3030	98	492	91	545	141	1049	2'	2'	650
127714108	2500	1400	2541	130	645	133	698	186	1396	3'	3'	950

Part Number	Model (litry)	D	H	A	E	F	G	I	P	Water (X)	Foam (Y)	Weight (kg)
127714227	3000	1400	2891	130	645	133	698	186	1396	3'	3'	1050
127714304	3500	1400	3191	130	645	133	698	186	1396	3'	3'	1150
127714410	4000	1400	3591	130	645	133	698	186	1396	3'	3'	1250
127714508	4500	1400	3891	130	645	133	698	186	1396	3'	3'	1350
127714605	5000	1400	4191	130	645	133	698	186	1396	3'	3'	1450
127714707	5500	1400	4591	130	645	133	698	186	1396	3'	3'	1550

Part Number	Model (litry)	D	H	A	E	F	G	I	P	Water (X)	Foam (Y)	Weight (kg)
127714816	6000	1400	4891	130	645	133	698	186	1396	3'	3'	1650
127714904	6500	1400	5391	130	645	133	698	186	1396	3'	3'	1800
127718109	7000	1850	3627	130	873	133	926	186	1846	3'	3'	2100
127715055	8000	1850	4028	130	873	133	926	186	1846	3'	3'	2280
127715058	10000	1850	4819	130	873	133	926	186	1846	3'	3'	2460
127715061	12000	1850	5546	130	873	133	926	186	1846	3'	3'	2640

10. Construction

