

# Bladder Tank - Horizontal MTB-H

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(replaces datasheets 1017/7; 9; 11)

## General description

A bladder tank is a steel vessel containing a rubber bladder which in turn contains the foam concentrate. A bladder tank does not have any moving parts and requires a minimum of maintenance.

## Application description

The bladder tank is used to induce foam concentrate into water systems with variable flows and/or pressures. The system is ideal for upgrading a water sprinkler system to a foam / 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.

## Product features

- Various design standards. Tank manufacture to PED (CE marked) or ASME VIII
- Available in volumes up to 12,000 litres
- Can be used with standard and wide range proportioners

## Connections

- Foam / water inlet: flanged according to DIN PN16 or ANSI 150 lbs

## Options

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

## Listings and Approvals

- Factory Mutual approval for ASME models

## Order information

 - please specify:

1. Tank size
2. Design standard



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Datasheet Ref. SKM0012 DSA1

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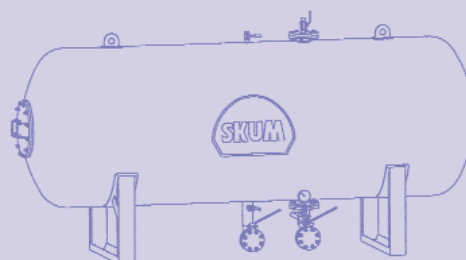
(replaces datasheets 1017/7; 9; 11)



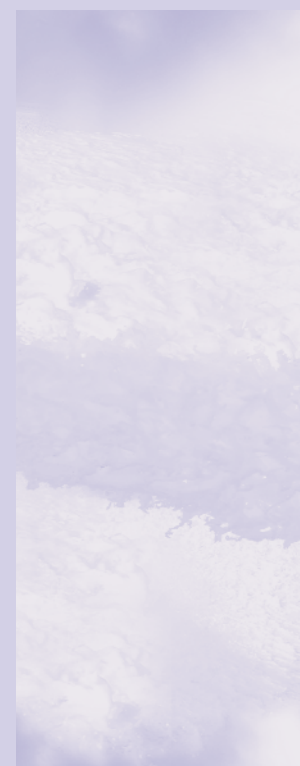
## Technical Data

### MTB-H

Design pressure:	12,1 bar / 175 psi	
Design standard:	ASME section VIII PED	
Approvals: (Optional)	Det Norske Veritas; American Bureau of Shipping; Lloyd's Register Factory Mutual (for ASME tanks only)	
Scope of supply:	Standard	Water / foam inlet and vent plugged. Stainless steel valves at foam filling connection and vent
	Optional	Brass or stainless steel valves at water/foam inlet Level indicator Water actuated foam valve (WAFV) Fully pre-piped c/w Skum proportioner
Material:	Pressure vessel	Carbon steel
	Bladder	Butyl rubber
	Internals	Stainless steel
Surface treatment:	Outside - primer and red epoxy	



Volume litres	Diameter (mm)	Length (mm)	Height (mm)	PED	ASME	Connection
				Weight (kg)	Weight (kg)	
400	800	1060	1350	280	330	50 DIN PN 16 or 2" ANSI 150 lbs
600	800	1560	1350	340	420	
800	800	1910	1350	400	500	
1000	1100	1430	1650	480	560	
1200	1100	1630	1650	510	600	
1500	1100	1930	1650	590	680	
2000	1100	2530	1650	700	780	
2500	1400	2040	2020	960	1250	
3000	1400	2390	2020	1140	1500	
3500	1400	2690	2020	1250	1600	
4000	1400	3090	2020	1350	1800	
4500	1400	3390	2020	1550	2000	
5000	1400	3690	2020	1620	2150	
5500	1400	4090	2020	1730	2300	
6000	1400	4490	2020	1850	2500	
6500	1400	4990	2020	2000	2700	
7000	1850	3230	2470	2300	3100	
7500	1850	3430	2470	2400	3250	
8000	1850	3630	2470	2480	3400	
8500	1850	3780	2470	2550	3550	
9000	1850	3980	2470	2650	3700	
9500	1850	4180	2470	2900	4000	
10000	1850	4380	2470	3000	4100	
11000	1850	4730	2470	3150	4400	
12000	1850	5230	2470	3400	4800	



1 bar = 0,1 MPa = 14,5 psi



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