

Bladder Tank - Vertical MTB-V

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

The bladder tank is used to induce foam concentrate into water systems with variable flows and/or pressures.

The bladder tank forms part of a foam proportioning system used in conjunction with a SKUM tank proportioner.

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.

Features

- Tank manufactured to PED (CE marked) standard
- Available in volumes up to 12,000 L
- Can be used with standard and wide range proportioners

Connections

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

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 | Outside - primer and red epoxy |
| Scope of supply | Water / foam inlet and vent plugged |
| | Stainless steel valves at 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 |



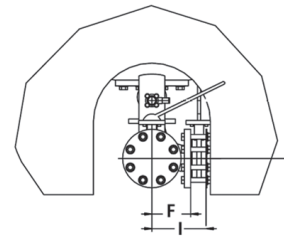
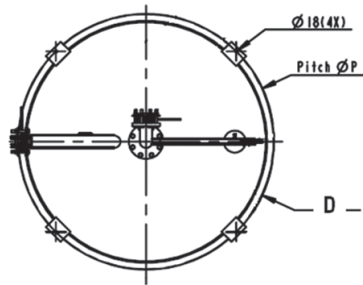
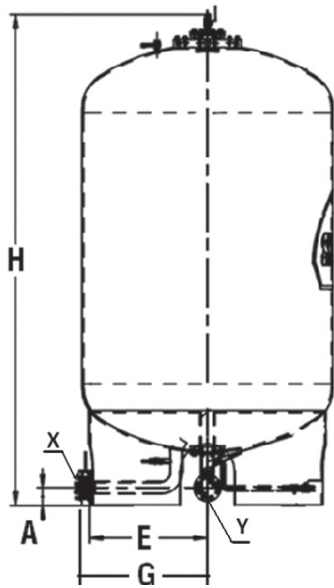
Optional Information

- 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



Note: For lettered dimensions please see table below.

Specifications

| MTB-V reference | Model (L) | Dimensions (mm) | | | | | | | | Connection | | Weight kg |
|-----------------|-----------|-----------------|-------|-----|-----|-----|-----|-----|-------|------------|----------|-----------|
| | | D | H | A | E | F | G | I | P | Water (X) | Foam (Y) | |
| 127708104 | 400 | 800 | 1,563 | 98 | 362 | 91 | 412 | 141 | 785 | 2 in. | 2 in. | 275 |
| 127708207 | 600 | 800 | 2,063 | 98 | 362 | 91 | 412 | 141 | 785 | 2 in. | 2 in. | 330 |
| 127711108 | 800 | 800 | 2,413 | 98 | 362 | 91 | 412 | 141 | 785 | 2 in. | 2 in. | 370 |
| 127711209 | 1,000 | 1,100 | 1,930 | 98 | 492 | 91 | 545 | 141 | 1,049 | 2 in. | 2 in. | 450 |
| 127711299 | 1,200 | 1,100 | 2,130 | 98 | 492 | 91 | 545 | 141 | 1,049 | 2 in. | 2 in. | 500 |
| 127711407 | 1,500 | 1,100 | 2,430 | 98 | 492 | 91 | 545 | 141 | 1,049 | 2 in. | 2 in. | 550 |
| 127711510 | 2,000 | 1,100 | 3,030 | 98 | 492 | 91 | 545 | 141 | 1,049 | 2 in. | 2 in. | 650 |
| 127714108 | 2,500 | 1,400 | 2,541 | 130 | 645 | 133 | 698 | 186 | 1,396 | 3 in. | 3 in. | 950 |

| MTB-V reference | Model (L) | Dimensions (mm) | | | | | | | | Connection | | Weight kg |
|-----------------|-----------|-----------------|-------|-----|-----|-----|-----|-----|-------|------------|----------|-----------|
| | | D | H | A | E | F | G | I | P | Water (X) | Foam (Y) | |
| 127714227 | 3,000 | 1,400 | 2,891 | 130 | 645 | 133 | 698 | 186 | 1,396 | 3 in. | 3 in. | 1,050 |
| 127714304 | 3,500 | 1,400 | 3,191 | 130 | 645 | 133 | 698 | 186 | 1,396 | 3 in. | 3 in. | 1,150 |
| 127714410 | 4,000 | 1,400 | 3,591 | 130 | 645 | 133 | 698 | 186 | 1,396 | 3 in. | 3 in. | 1,250 |
| 127714508 | 4,500 | 1,400 | 3,891 | 130 | 645 | 133 | 698 | 186 | 1,396 | 3 in. | 3 in. | 1,350 |
| 127714605 | 5,000 | 1,400 | 4,191 | 130 | 645 | 133 | 698 | 186 | 1,396 | 3 in. | 3 in. | 1,450 |
| 127714707 | 5,500 | 1,400 | 4,591 | 130 | 645 | 133 | 698 | 186 | 1,396 | 3 in. | 3 in. | 1,550 |

| MTB-V reference | Model (L) | Dimensions (mm) | | | | | | | | Connection | | Weight kg |
|-----------------|-----------|-----------------------------|-------|-----|-----|-----|-----|-----|-------|------------|----------|-----------|
| | | D | H | A | E | F | G | I | P | Water (X) | Foam (Y) | |
| 127714816 | 6,000 | 1,400 | 4,891 | 130 | 645 | 133 | 698 | 186 | 1,396 | 3 in. | 3 in. | 1,650 |
| 127714904 | 6,500 | 1,400 | 5,391 | 130 | 645 | 133 | 698 | 186 | 1,396 | 3 in. | 3 in. | 1,800 |
| 127718109 | 7,000 | 1,850 | 3,627 | 130 | 873 | 133 | 926 | 186 | 1,846 | 3 in. | 3 in. | 2,100 |
| 127715055 | 8,000 | Available on request | | | | | | | | 3 in. | 3 in. | |
| 127715058 | 10,000 | | | | | | | | | 3 in. | 3 in. | |
| 127715061 | 12,000 | | | | | | | | | 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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