SDS

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Foam proportioning systems



The proportioning system is an essential element of any foam firefighting system as it ensures the correct mix ratio of foam concentrate to water. These systems can include pumps, bladder tanks or atmospheric tanks for foam concentrate storage as well as the proportioners and foam inductors themselves.

SKUM offers a wide range of different types, designs, specification and approval types of foam proportioning systems to meet many application and market requirements:

- Inline inductors are extremely cost-effective, easy to install and maintain. Any foam storage tank can be used in conjunction with these inductors, and can be refilled during operation as there is no external power supply.
- Self-inducing nozzles offer ease of installation, use and maintenance. Foam storage can also be refilled during operation.

- Around-the-pump inductors can deal with variable solution flow by adjusting the pick-up rate into the proportioner. No pressure loss is caused by the proportioning system, which is easy to use and maintain. The tank can also be refilled during operation as there is no external power supply.
- Balanced pressure proportioners can handle various flows and pressures while maintaining nominal proportioning.These proportioners are easy to install and achieve a low pressure drop.
- Bladder tanks contain few moving parts and achieve a low pressure drop with a variable flow capability. These can be used with all types of foam concentrates.

Featured Product

Bladder Tanks

Bladder Tanks are a component of a balanced pressure proportioning system that includes a pressure-rated tank with an internal elastomeric bladder for foam concentrate storage. Upon system actuation, incoming water applies pressure to the concentrate in the bladder, which supplies pressurized concentrate to the prop ortioning device.The device meters the foam concentrate into the fire water line, creating foam solution. The solution is then piped to the discharge devices protecting the hazard area.

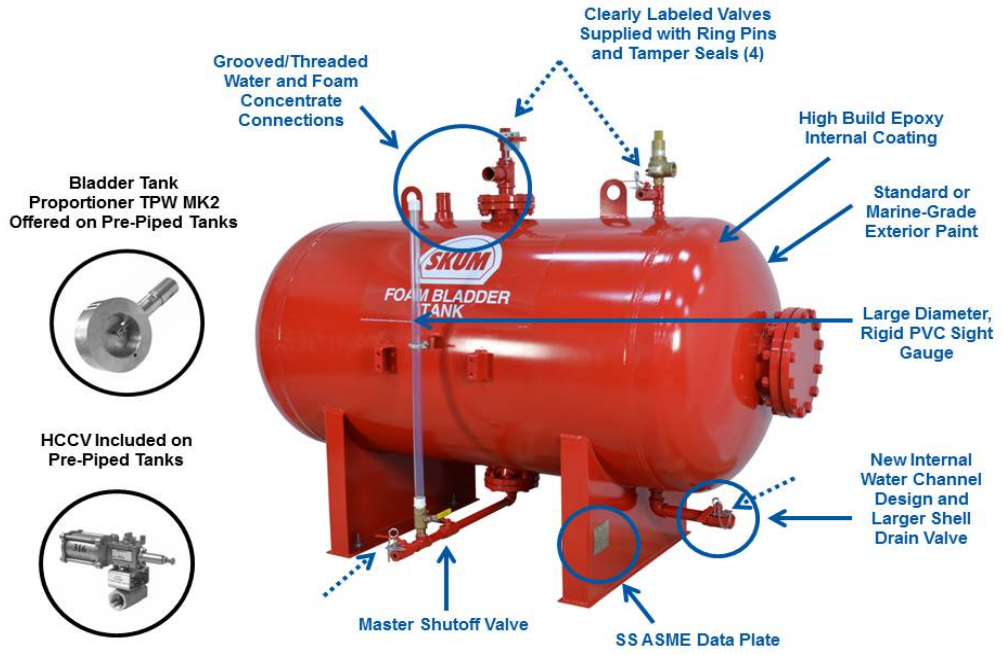
New & Improved Design

The entire SKUM line of high quality bladder tanks has been redesigned from the ground up, with a focus on design flexibility, lead time reduction and field usability.The new SKUM Bladder Tanks are configurable for a wide range of options that will not change the lead time, including:

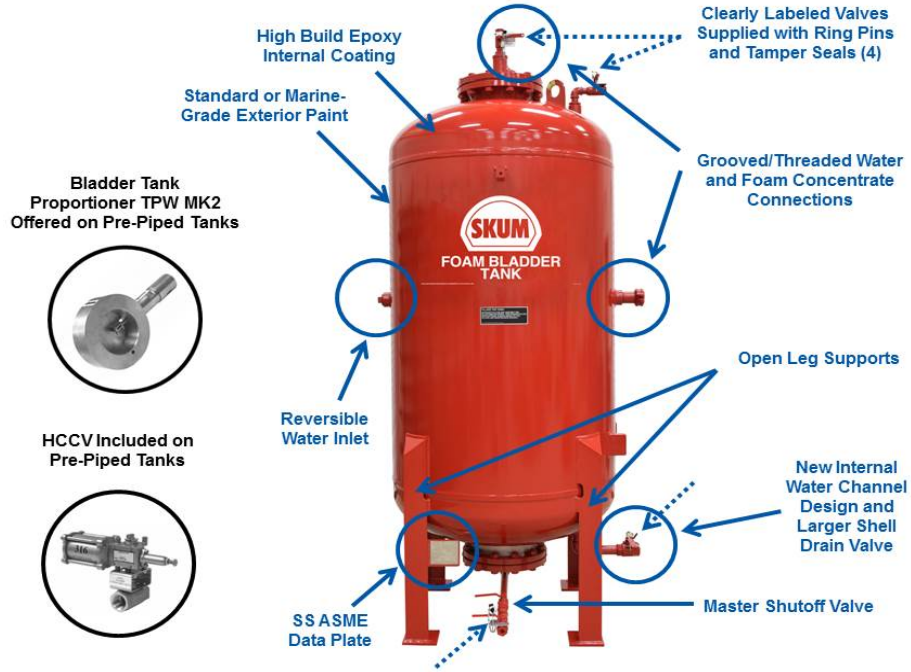
- Trim Piping Material
- Standard and Corrosion-Resistant Paints
- Alternate Paint Colors
- Sight Gauges
- Thermal Pressure Relief Valves

Take a tour of the new features, highlighted below on our Horizontal & Vertical Bladder Tanks...

Horizontal Bladder Tank



Vertical Bladder Tank



The new design includes a variety of features that make installation, service and maintenance more efficient and convenient. A few key features/benefits:

- Open Leg Design - easy access to the bottom of the tank
- New Shell Drain System - faster refilling after commissioning testing
- Standard Grooved Coupling Connections - easy integration into firewater piping
- Reversible Water Inlet - pipe from either side of a vertical tank
- Master Shutoff Valve - Use, install, or replace the sight gauge with less mess
- Valve Nameplates with Ring Pins and Tamper Seals - No questions about which valve is which or what position it was left in.

Bladder tanks have numerous applications, including truck loading racks, aircraft hangers, dip tanks, pump rooms and helipads. Because the tanks require no external power supply other than a pressurized water source, they are more economical compared to pump systems (for systems under 2,000 gallons). And bladder tanks, because of their simple design, require very little maintenance.

Bladder tanks are available in horizontal, vertical and pre-piped models.

Product Line **(Click below to view product specification sheet)**

SKUM Product Sheets_Proportioning _systems_HW.pdf

- SKUM 25-36 Gallon Bladder Tanks.pdf
- SKUM 25-36 Gallon Pre-Piped Bladder Tanks.pdf
- SKUM 36 Gallon Foam Stations UL.pdf
- SKUM Balanced Pressure Proportioner PP and PPW MK1.pdf
- SKUM Around the pump PI inductor_FDS14301 0214 LR.pdf
- SKUM BALANCED PRESSURE PP PPW Mk1_FDS14302 0214 LR.pdf
- SKUM BALANCED PRESSURE Proportioner PP MK2_FDS14303 0214 LR.pdf
- SKUM Bladder tank MTB horizontal_FDS14305 0214 LR.pdf
- SKUM MTB-ASME Horizontal Pre-Pipped Bladder Tank.pdf
- SKUM MTB-ASME Horizontal Bladder Tank.pdf
- SKUM Bladder tank MTB Vertical_FDS14306 0214 LR.pdf
- SKUM MTB-ASME Vertical PrePiped Bladder Tank.pdf
- SKUM MTB-ASME Vertical Bladder Tank.pdf
- Skum Bladder Tank Proportioner TP+TPW MK1_FDS14308 0214 LR.pdf
- SKUM TP MK2 Bladder Tank Proportioner.pdf
- SKUM Foam Sealing Membrane.pdf
- SKUM Bladder tank proportioner TPW MK2_FDS14309 1014 v1.pdf
- SKUM Water Actuated Foam Valve WAFV-MK2.pdf
- SKUM In-line Inductor MI 25-65.pdf
- SKUM In-line Inductor MI 80-150.pdf
- SKUM ZF Inductor.pdf
- SKUM TP MK2 Bladder Tank Proportioner.pdf
- SKUM PP MK2 Foam Pump Proportioner.pdf
- SKUM TPW MK3 WIDE RANGE Bladder Tank Proportioner.pdf
- SKUM PPW MK3 WIDE RANGE Foam Pump Proportioner.pdf

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