Foam Proportioning Equipment

Ensure optimum concentrate performance

- Protect multiple and remote hazard areas
- Accurate proportioning and control
- Economical and low maintenance options

Proportioning equipment

- Pump skids
- Bladder tanks
- In-line balanced pressure proportioners

Proper foam proportioning ensures optimum performance from foam liquid concentrate by introducing the foam concentrate into a flowing stream of water to produce a foam solution.

Accurate Proportioning

Proportioners are specifically designed to accurately proportion and control the mixing of pressurized foam concentrates into a pressurized water stream with minimum pressure loss. Balanced pressure proportioning systems require the foam concentrate pressure to be balanced with the water pressure at the proportioner inlets. The balanced pressure that exists between the foam concentrate and the flowing water is achieved through the use of a bladder tank, pump skid or in-line proportioner.

Economical and Low Maintenance Proportioning

ANSUL® Bladder Tanks are components of a balanced pressure proportioning system which includes the pressure-rated tank with an internal elastomeric bladder for foam concentrate storage. When water pressure is applied to the bladder, pressurized concentrate is delivered to the proportioner. This is more economical than pump systems because no external power supply is required other than the pressurized water.

The bladder tank systems have numerous applications and with the simple design require very little maintenance.

Optimum Performance from Foam Concentrates

The ANSUL Balanced Pressure Pump Proportioning System (Pump Skid) functions by maintaining an equal pressure in the foam concentrate and water inlets to the proportioner which provides a wide range of flows and pressures. The unit responds quickly and accurately to changes in the water inlet pressures and flow rates.

The atmospheric storage tank within the system can be re-filled with concentrate during operation providing the ability to continuously generate large volumes of foam solution.

Protect Multiple and Remote Hazard Areas

Fixed foam systems typically use balanced pressure proportioning equipment such as the ANSUL In-Line Balanced Pressure Proportioner; a separate assembly that offers the advantage of proportioning the foam concentrate at a location remote from the tank and pump. The design accurately controls the flow of a foam liquid concentrate into a water stream over a wide range of flow rates and pressures.

APPLICATIONS FOR PROPORTIONING EQUIPMENT

Aircraft hangars
Chemical processing plants
Dip tanks
Flammable liquid storage tanks
Helipads
Marine docks and vessels
Offshore platforms
Pump rooms
Refineries
Truck loading racks

In-line balanced pressure proportioners receive foam concentrate from an atmospheric tank connected to a positive displacement foam concentrate pump. Multiple proportioners can be supplied from a single foam pump to protect several hazard areas.

The ANSUL FLOWMAX PPW Variable Range Proportioner offers economical advantages for complex designs that normally require multiple remote in-line proportioners. The FLOWMAX Model CL offers unparalleled proportioning accuracy at the flow rates required for closed-head sprinkler systems.

The Ultimate Fire Suppression Solution

No other fire suppression brand promises the full range of solutions or the quality of ANSUL – from automatic detection and suppression systems to a complete line of wheeled and portable extinguishers and more. ANSUL products are backed by a worldwide network of factory-trained distributors – the largest and best-qualified in the industry.

A Passion for Protection

Dedicated customer support. Extensive product portfolio. Engineering excellence. Trusted, proven brands. Tyco Fire Protection Products offers all of these attributes, plus a passion for protection. It's what drives us to create solutions to help safeguard what matters most – your valued people, property and business.

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