



## 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® BladderTanks 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

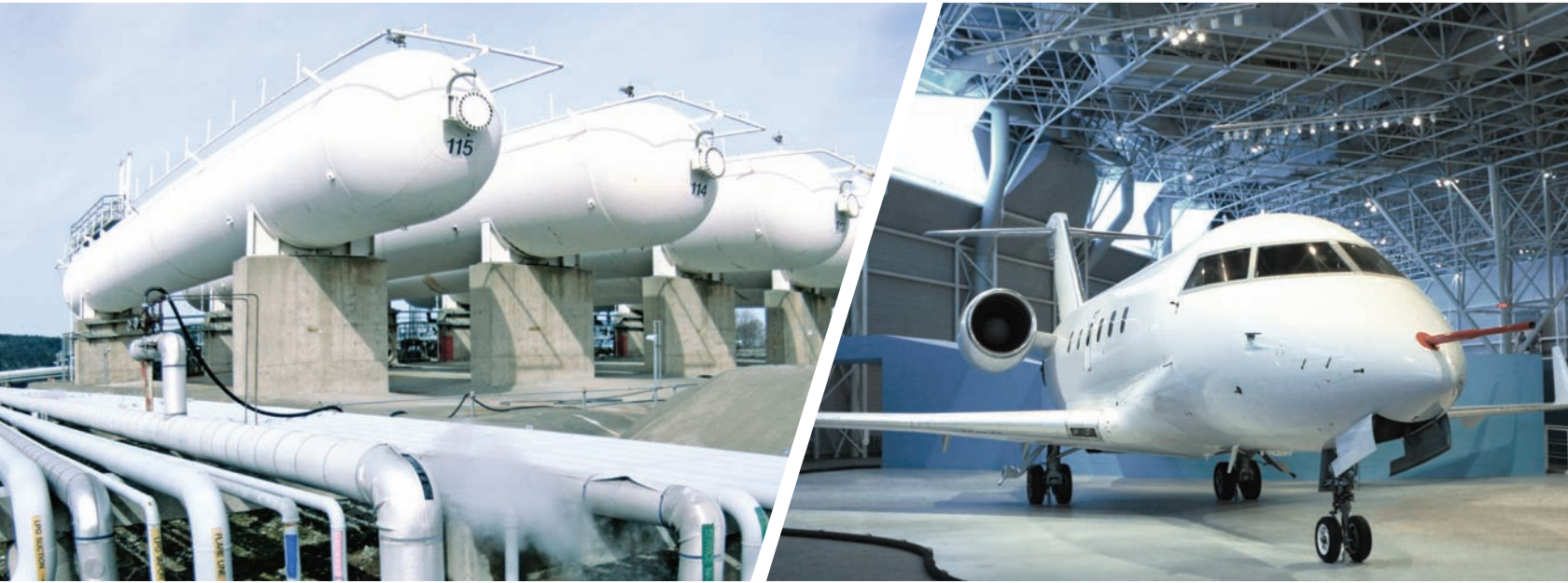
The ANSUL Balanced Pressure Pump Proportioning System (Pump Skid) functions by maintaining an equal pressure in the foam concentrate and water inlets to the proportioner which provides a wide range of flows and pressures. The unit responds quickly and accurately to changes in the water inlet pressures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

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