



Foam Proportioning Equipment

Ensure optimum concentrate performance

- Wide range of applications
- Economical and low maintenance proportioning
- Protect multiple and remote hazard areas

Rugged, high quality and proven; CHEMGUARD state-of-the-art proportioning devices accurately and dependably proportion foam and water in a variety of applications. The CHEMGUARD brand offers a broad line of state-of-the-art proportioning devices: line proportioners (eductors), ratio-flow controllers, the ULTRA-WIDE proportioner and in-line balanced pressure proportioners.

Cost-effective foam proportioning

Line proportioners, or eductors, are constant flow devices that produce accurate proportioning of the concentrate at a specified flow and pressure; therefore it is critical to match the line proportioner with all downstream devices. Line proportioners are typically used in fixed system applications where simple and cost effective foam proportioning is required. Other than flowing water, no external power supplies are required to operate them.

Ensure maximum pressure

The CHEMGUARD Ratio Flow Controller is designed to meter the correct amount of foam concentrate into the water stream over a wide range of flows and pressures with minimal pressure loss. These devices are used in conjunction with either a bladder tank or a foam pump proportioning system. Typical applications include flammable liquid storage tanks, loading racks, aircraft hangars, heliports or anywhere flammable liquids are used, stored, processed or transported.

Automatic and accurate proportioning

Relying solely on water pressure for operation, the CHEMGUARD bladder tank—one component in a balanced pressure foam proportioning system—is designed to store and automatically deliver foam concentrate to a proportioning device installed in the water supply of a fire suppression system. The bladder tank is comprised of a steel outer shell which houses a flexible bladder containing liquid foam concentrate. During operation, a portion of the water supply is diverted upstream of the proportioner and introduced into the space between the tank shell and the bladder. This pressurizes the bladder, which feeds the foam concentrate to the proportioners resulting in an accurately metered foam solution.





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

Wide range proportioner

The CHEMGUARD ULTRA-WIDE On-Demand Proportioner is designed to provide the correct amount of foam concentrate to mix with a water stream over a wide range of flows. This device is completely mechanical and requires no electrical connections. The proportioner is designed for operation in balanced-pressure type systems with bladder tanks.

Self-contained proportioner for wide range of flows and pressures

CHEMGUARD In-Line Balanced Pressure Proportioners (ILBP) are used with positive displacement foam concentrate pumps and atmospheric foam concentrate storage tanks to form an in-line balanced pressure proportioning system. The CHEMGUARD ILBP is designed to balance the incoming water pressure and meter the correct proportion of foam concentrate into the water stream over a wide range of flows and pressures. The proportioner is a completely self-contained device and includes the ratio controller, pressure balancing diaphragm valve and duplex pressure gauge.

The final authority in fire protection

A global leader in fire fire protection solutions, CHEMGUARD offers engineering and design expertise, quality manufacturing and unmatched customer support. CHEMGUARD foam agents and hardware can meet your fire suppression needs for a broad range of applications.

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.