For further info and price quote, Please Contact:

MDI Canada Inc.
Exporter of High-Technology Products

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FOAM SYSTEM FOR FIRE PROTECTION

SELF CONTAINED FOAM SYSTEMS

inControl Systems Inc has been producing self-contained Foam System Solutions since 1988. Our systems are supplier complete, with a large water storage tank, a foam concentrate tank, electric pump, foam proportioner and PLC controller, our systems give superior performance and response, protecting critical assets from damage. Our Self contained High-Expansion Foam System Solutions are ideal for locations where water supply is unavailable. Explosion-Proof systems are also available for high-risk areas.

HIGH EXPANSION FOAM GENERATORS

inControl Systems' brand of self-aspirating foam generators are meticulously designed with just the right shape, mesh screen size, and perforation frequency to efficiently combine water, foam solution, and air. With our high expansion ratios, these rugged units are vital for providing effective and efficient distribution of the foam solution, quickly putting out fires. Because they are self-aspirating, these units deliver a highly accurate mix of solution, water, and air without the large pressure losses associated with in-line inductors. This reduces the required pump duty and saves space.

BLADDER TANK SYSTEMS

inControl Systems foam bladder tank systems provide accurate, dependable, and cost-effective foam fire protection for a variety of flammable/combustible hazard areas, with no external power other than water pressure. Water is applied to the outside surface of the bladder, displacing foam the concentrate inside the bladder, which then is injected into the water stream. inControl Systems Bladder Tanks are one component in a balanced-pressure foam proportioning system. The systems do not require external power, other than the water pressure for correct operation. The vertical and horizontal bladder tanks are designed and constructed in accordance with the latest standards to ASME code, Section VIII, for unfired pressure vessels with a working pressure of 175 psi and tested to 1.3 times this pressure.

APPLICATIONS

• Aircraft Hangars • Ship Holds, Engine Rooms, & Pump Rooms • Gas Compressor Stations • Engine Test Cells • Transformer Rooms • Tire Warehouses • Tire Production Facilities • Flammable Liquid Storage • Hazardous Waste Storage • Chemical Storage Rooms • Cogeneration Plants • Mines Out Of Door Use (Lower Expansions) • Tank Dyke Areas • Refinery Process Areas • Toxic Spill Protection (Ammonia, Chlorine, Lng)

FEATURES

- Bladder is manufactured of a vinyl based polymer, or a polyester reinforced copolymer. The bladder material shall have an ASTM D-412 Tensile Strength of at least 3000 psi and an ASTM D-624 Graves Tear Strength of at least 420 lbs./in.
- Tanks are supplied with permanently mounted brass trim valves with Teflon seats.
- All valves are labeled showing normal working position and function.
- Lifting lugs are permanently welded to the tank with eyes of approximately 2” diameter.
- Both the vertical and horizontal tanks contain a perforated PVC center tube that assures maximum agent discharge.
- All tanks are approximately 10% oversized to allow for any thermal expansion of the foam concentrate.
- All tanks are supplied with a label, which identifies the type of foam concentrate the system is designed for, the percentage ratio and the tank size.
- Tanks are painted red enamel.

OPTIONS

- Coal tar epoxy for coating the interior shell of the tank (for use in salt-water environment)
- Sight Glass
- Proportioner prepiped onto tank assembly
- Red epoxy finish
- Custom fabrication of specialty materials, dimensions and capacities
- Actuated valves for water/concentrate
- Stainless steel or brass trim
- Insulation and heat tracing packages

“inControl Systems Inc offers complete systems and designs that meet NFPA, UL and FM standards...”

Foam Systems Applications

Foam equipment and systems from inControl Systems are used around the world for applications in offshore, petrochemical, power and energy, transportation and aircraft hangars and airports. With a complete range of hardware and foam concentrates available, inControl Systems Inc offers complete systems and designs to meet NFPA, UL and FM standards:

- Aircraft Hangars
- Ship Holds, Engine Rooms, & Pump Rooms
- Gas Compressor Stations
- Engine Test Cells
- Transformer Rooms
- Tire Warehouses
- Tire Production Facilities
- Flammable Liquid Storage
- Hazardous Waste Storage
- Chemical Storage Rooms
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- Tank Dyke Areas
- Refinery Process Areas
- Toxic Spill Protection (Ammonia, Chlorine, Lng)

Made in Canada





Self Contained Foam System

Foam Systems – Self Contained

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Our Self contained Hi-Expansion foam systems are ideal for locations where water supply is unavailable.

Explosion-Proof systems are also a available for high-risk areas.

Foam Generators - High Expansion

inControl brand of self-aspirating Foam Generators are meticulously designed with just the right shape, mesh screen size, and perforation frequency to efficiently combine water, foam solution, and air. With our high expansion ratios, these rugged units are vital for providing effective and efficient distribution of the foam solution, quickly putting out fires.

Because they are self-aspirating, these units deliver a highly accurate mix of solution, water, and air without the large pressure losses associated with in-line inductors. This reduces the required pump duty and saves space.

Bladder Tank Systems

inControl Systems foam bladder tank systems provide accurate, dependable, and cost-effective foam fire protection for a variety of flammable/combustible hazard areas, with no external power other than water pressure. Water is applied to the outside surface of the bladder, displacing foam the concentrate inside the bladder, which then is injected into the water stream.

inControl Systems Bladder Tanks are one component in a balanced-pressure foam proportioning system. The systems do not require external power, other than the water pressure for correct operation. The vertical and horizontal bladder tanks are designed and constructed in accordance with the latest standards to ASME code, Section VIII, for unfired pressure vessels with a working pressure of 175 psi and tested to 1.3 times this pressure.

Features

- UL Listed
- Bladder is manufactured of a vinyl based polymer, or a polyester reinforced copolymer. The bladder material shall have an ASTM D-412 Tensile Strength of at least 3000 psi and an ASTM D-624 Graves Tear Strength of at l east 420 lbs./in.
- Tanks are supplied with permanently mounted brass trim valves with Teflon seats.
- All valves are labeled showing normal working position and function.
- Lifting lugs are permanently welded to the tank with eyes of approximately 2" diameter.
- Both the vertical and horizontal tanks contain a perforated PVC center tube that assures maximum agent discharge.
- All tanks are approximately 10% oversized to allow for any thermal expansion of the foam concentrate.
- All tanks are supplied with a label, which identifies the type of foam concentrate the system is designed for, the percentage ratio and the tank size.
- Tanks are painted red enamel

Options

- Coal tar epoxy for coating the interior shell of the tank (for use in salt-water environment)
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inControl Systems Inc.

inControl Systems Inc. is a manufacturer and supplier of complete fire protection, fire detection, flame and gas detection systems. Products and systems from inControl are available on a global basis for the complex projects of today's modern world.

Supplying high quality, cost effective fire solutions to meet international regulatory approvals, for industrial, marine and offshore projects...this is what inControls does.

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