Pre-Mix Foam Stations

Description:

Amerex Pre-Mixed Foam Stations are completely self-contained and require no outside water or power source. These stations address limitations experienced with traditional foam proportioners, around-the-pump systems, foam monitors, applicators, and foam concentrate storage tanks. Units are offered with LOP (Loss of Pressure) actuation system and can be configured for manual or automatic discharge.

Applications:

Amerex Pre-Mixed Foam Stations provide large capacity rapid response flame attack for Class B fires consisting of flammable liquid spills. The foam acts as a blanket source to smother and cool pooling hydrocarbon liquid while additionally acting as a vapor suppressant to aid in preventing re-ignition of the hazard area. Common high hazard risk areas include:

- Oil Tankers
- Aircraft Hangars
- Fuel Storage Tanks
- Pumping Stations
- Heliports and Helidecks
- Flammable Liquid Storage and Transport
- Fracking Sites

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Components:

Amerex Pre-Mixed Foam Stations are self-contained consisting of a carbon steel agent tank assembly designed and constructed in accordance to the latest ASME Section VIII, Div. 1 unfired pressure vessel code. Agent tank is equipped with a 4” fill cap, mechanical pressure safety valve, and internally lined with an epoxy finish. The carrier and expellant agent shall be nitrogen and cylinders shall be of DOT or ISO standard. Nitrogen cylinder storage racks are an integrated part of the station and mounted in vertical position. Complete units are constructed with materials suitable for marine environments. Exterior corrosion resistant coatings applied enables an extended lifespan in extreme environments. Components are broken down to individual units prior to application of the corrosion resistant paint finish to ensure all surfaces receive the maximum protection possible. Units are assembled with corrosion resistant hardware and fittings. Skid Welding shall be in accordance with AWS D.1.1 Structural Welding Code, Latest Edition.

Specifications:

Amerex Pre-Mix Foam Stations are available in five configurations:

MODEL NO.	940	941HR	942	943HR	944
FOAM CAPACITY (GAL.)	150	150	300	300	500
SHIPPING WT. (LBS.)	1194	1450	1894	2150	3260
HEIGHT (IN.)	31	77	86.5	86.5	110
WIDTH (IN.)	28.5	49	37	58	48
DEPTH (IN.)	43	43	54	54	60
DISCHARGE RANGE (FT.)	50-70	50-70	50-70	50-70	50-70
ASME VESSEL DESIGN INFORMATION	MAWP 250 PSI @ 450ºF MDMT -20ºF @ 250 PSI	MAWP 250 PSI @ 450ºF MDMT -20ºF @ 250 PSI	MAWP 250 PSI @ 450ºF MDMT -20ºF @ 250 PSI	MAWP 250 PSI @ 450ºF MDMT -20ºF @ 250 PSI	MAWP 250 PSI @ 450ºF MDMT -20ºF @ 250 PSI
OPERATING TEMP. (ºF)	+32 TO 120	+32 TO 120	+32 TO 120	+32 TO 120	+32 TO 120
HOSE LENGTH EACH REEL (FT.)	OPTIONAL	100	OPTIONAL	100	OPTIONAL
NUMBER OF HOSE REELS	OPTIONAL	1	OPTIONAL	1	OPTIONAL
DISCHARGE DIA. (IN.)	2	2	2	2	2
DISCHARGE OUTLETS	1	1	2	2	2
MAX FOAM FLOW RATE (GPM)	60	60	120	120	120
NITROGEN CYLINDER	1 - 300CF	1 - 300CF	2 - 300CF	2 - 300CF	4 - 300CF
PRESSURE RELIEF	250 PSI PSV	250 PSI PSV	250 PSI PSV	250 PSI PSV	250 PSI PSV
FILL OPENING	4.5 VENTED W/ O-RING	4.5 VENTED W/ O-RING	4.5 VENTED W/ O-RING	4.5 VENTED W/ O-RING	4.5 VENTED W/ O-RING
VESSEL MATERIAL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL
VESSEL THICKNESS (IN.)	3/8	3/8	3/8	3/8	1/2
VESSEL CONSTRUCTION	ASME	ASME	ASME	ASME	ASME
VESSEL LINING	EPOXY COAT	EPOXY COAT	EPOXY COAT	EPOXY COAT	EPOXY COAT
SYSTEM HOSES	BRAIDED SS	BRAIDED SS	BRAIDED SS	BRAIDED SS	BRAIDED SS
FITTINGS	BRASS	BRASS	BRASS	BRASS	BRASS
PAINT FINISH	CR POWDER COAT	CR POWDER COAT	CR POWDER COAT	CR POWDER COAT	CR POWDER COAT

NOTE: IF YOU HAVE A SPECIAL REQUIREMENT PLEASE CONTACT FACTORY