

Compressed Air Foam Skid Units

Description:

Amerex Compressed Air Foam Skid Units are designed for single-person operation and rapid response affording the availability of high expansion foam for maximum fire fighting power in a versatile compact delivery unit. Compressed Air Foam Units are self-contained and stored-energy having the added ability to inject compressed air into the foam solution generating a powerful fire attacking and suppression solution. This foam has a exponentially more dense bubble structure than water and standard foam solutions. The viscosity allows the foam to adhere to vertical and horizontal surfaces and penetrate fires deeper before the compound is broken down allowing latent water to be more effective. Units can be optionally completed with standard skid, trailer, or vehicle mount of choice. (Mobile cart options available for select capacities)



Applications:

Amerex Compressed Air Foam Units provide rapid flame attack for Class A and B hazard areas. CAFS attacks all sides of the fire tetrahedron by smothering the fire with a “foam blanket”, thus preventing oxygen from combining with fuel. It diminishes the heat by insulating and reflecting radiant heat, thus preventing excess heat to the fire via a foam barrier. The versatility of these systems have been proven by field tested use in multiple applications. Common high hazard risk areas include:

- Oil and Gas Production Facilities
- Heliports and Helidecks
- Flammable Liquid Storage and Transport
- Fracking Sites
- Mining Operations
- Race Tracks
- Aircraft Hangars
- Rapid Response Vehicles
- Industrial and Municipal Fire Departments / Brigades
- Military Fire Teams



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Components:

Amerex Compressed Air Foam Units are stored-pressure and self-contained consisting of a carbon steel agent tank assembly equipped with a mechanical pressure safety valve and internally lined with an epoxy finish. The carrier and expellant agent shall be air or nitrogen and cylinders shall be of DOT or ISO standard. Cylinder storage racks are provided as integrated part of the skid. 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 Compressed Air Foam Skid Units are available in ten configurations:

MODEL NO.	969	960	961	962	963	964	965	966	967	968	
FOAM CAPACITY (GAL.)	16	21H	21V	30S	30C	60S	60M	60P	100	200	
FOAM CLASS	A:B	A:B	A:B	A:B	A:B	A:B	A:B	A:B	A:B	A:B	
SHIPPING WT. (LBS.)	208	168	168	316	386	488	690	700	1026	1386	
HEIGHT (IN.)	54.18	20	34	33	40.75	34	34.25	31.5	39.25	48	
WIDTH (IN.)	22.5	29	31	34	31	38	49.5	36	47	48	
DEPTH (IN.)	26	34	20	44	49	45.25	45.25	60	64	98	
DISCHARGE RANGE (FT.)	50	50	50	75	75	75	75	75	75	75	
VESSEL DESIGN INFORMATION	MAWP 200 PSI @ 450°F MDMT -20°F @ 250 PSI	MAWP 200 PSI @ 450°F MDMT -20°F @ 250 PSI	MAWP 200 PSI @ 450°F MDMT -20°F @ 250 PSI	MAWP 200 PSI @ 450°F MDMT -20°F @ 250 PSI	MAWP 200 PSI @ 450°F MDMT -20°F @ 250 PSI	MAWP 200 PSI @ 450°F MDMT -20°F @ 250 PSI	MAWP 200 PSI @ 450°F MDMT -20°F @ 250 PSI	MAWP 200 PSI @ 450°F MDMT -20°F @ 250 PSI	MAWP 200 PSI @ 450°F MDMT -20°F @ 200 PSI	MAWP 200 PSI @ 450°F MDMT -20°F @ 250 PSI	MAWP 200 PSI @ 450°F MDMT -20°F @ 250 PSI
OPERATING TEMP. (°F)	+32 TO 120	+32 TO 120	+32 TO 120	+32 TO 120	+32 TO 120	+32 TO 120	+32 TO 120	+32 TO 120	+32 TO 120	+32 TO 120	
HOSE LENGTH (FT.)	50	50	50	50	50	100	100	100	100	100	
NUMBER OF HOSE REELS	RETAINER	BOX	BOX	1	RACK	1	1	1	1	1	
HOSE DIA. (IN.)	1	1	1	1	1	1	1	1	1	1	
MAX FOAM FLOW RATE (GPM)	12	12	12	22	22	22	22	22	22	22	
FINISHED FOAM (GAL.)	320	420	420	600	600	1200	1200	1200	2000	4000	
PRESSURE RELIEF	200 PSI PSV	200 PSI PSV	200 PSI PSV	200 PSI PSV	200 PSI PSV	200 PSI PSV	200 PSI PSV	200 PSI PSV	200 PSI PSV	200 PSI PSV	
EXPELLANT CYLINDER	AIR: 55 CF	AIR: 55 CF	40 CF	AIR: 55 CF	(2) 55 CF	(2) 55 CF	(2) 55 CF	(2) 100 CF	(2) 300 CF	(2) 300 CF	
FILL OPENING	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	
SKID MATERIAL	N/A	ALUMINUM	ALUMINUM	ALUMINUM	N/A	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	
VESSEL MATERIAL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	
VESSEL THICKNESS (IN.)	3/16	3/16	3/16	3/16	3/16	3/16	3/16	3/16	1/4	1/4	
VESSEL LINING	EPOXY COAT	EPOXY COAT	EPOXY COAT	EPOXY COAT	EPOXY COAT	EPOXY COAT	EPOXY COAT	EPOXY COAT	EPOXY COAT	EPOXY COAT	
SYSTEM HOSES	BRAIDED HP	BRAIDED HP	BRAIDED HP	BRAIDED HP	BRAIDED HP	BRAIDED HP	BRAIDED HP	BRAIDED HP	BRAIDED HP	BRAIDED HP	
FITTINGS	BRASS	BRASS	BRASS	BRASS	BRASS	BRASS	BRASS	BRASS	BRASS	BRASS	
PAINT FINISH	POWDER COAT	POWDER COAT	POWDER COAT	POWDER COAT	POWDER COAT	POWDER COAT	POWDER COAT	POWDER COAT	POWDER COAT	POWDER COAT	

NOTE: IF YOU HAVE A SPECIAL REQUIREMENT PLEASE CONTACT FACTORY