

# Large Capacity Twin-Agent Skid Mounted Units

## Description:

Amerex Twin Agent Skid Units provide dual agent mitigation using dry chemical with the added fire response properties of an integrated foam unit proven to be one of the most effective tools in mitigating extreme risk areas with multiple hazards. Units are designed and constructed for one-person operation and pre-pressurized ready for immediate discharge. Units incorporate dual large capacity extinguisher cylinders and nitrogen back-up supply ready for instant actuation in emergency situations. Units can accommodate manual operation or configured for automatic discharge. Units can be optionally completed with standard skid or trailer mount.



## Applications:

- Flammable Liquid Storage and Transport
- Marine Port Operations
- Petrochemical Plants
- Mining Operations
- Aircraft Rescue and Hangar Facilities
- Heliports and Helidecks
- Industrial and Municipal Fire Brigades
- Military Fire Teams
- Oil and Gas Production Facilities
- LNG Bunkering Stations



# Pre-Pressurized / Nitrogen Cylinder Operated

## Components:

Amerex Twin Agent Skid Units are self-contained consisting of dual carbon steel agent tank assemblies designed and constructed in accordance to the latest ASME Section VIII, Div. 1 unfired pressure vessel code. Agent tanks are equipped with mechanical pressure safety valves. Dry Chemical tank will be charged with Amerex Purple-K potassium bicarbonate. Foam tank shall be internally lined with an epoxy finish and will accommodate pre-mixed foam or CAFS. 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 skid and mounted in horizontal position. Nitrogen cylinders are secured with welded clamps. Nitrogen cylinders are removable from the operating position of the unit adjacent to mounted controls. Complete units are constructed with materials suitable for marine environments. Exterior corrosion resistant coatings applied enables 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 Twin Agent Skid Units are available in six configurations:

MODEL NO.	920	921	922	923	924	925
DRY CHEMICAL CAPACITY (LBS.)	200	450	450	450	1000	3000
FOAM CAPACITY (GAL.)	80	100	150	200	150	200
SHIPPING WT. (LBS.)	1564	2445	2870	3170	4155	7684
HEIGHT (IN.)	46	55	55	63.5	66.75	81
WIDTH (IN.)	47	47	47	45.5	45.5	70
DEPTH (IN.)	81	92	98	106	108	108
DISCHARGE RANGE (FT.)	60-80	60-80	60-80	60-80	60-80	60-80
ASME VESSEL DESIGN INFORMATION	MAWP 250 PSI @ 450°F MDMT -20°F @ 250 PSI	MAWP 250 PSI @ 450°F MDMT -20°F @ 250 PSI	MAWP 250 PSI @ 450°F MDMT -20°F @ 250 PSI	MAWP 250 PSI @ 450°F MDMT -20°F @ 250 PSI	MAWP 250 PSI @ 450°F MDMT -20°F @ 250 PSI	MAWP 250 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
HOSE LENGTH EACH REEL (FT.)	100	100	100	100	100	100
NUMBER OF HOSE REELS	1	1	1	1	1	1
TWIN-AGENT HOSE DIA. (IN.)	1	1	1	1	1	1
MAX FLOW RATE (LBS./SEC.) PER REEL	14	14	14	14	14	14
MAX FOAM FLOW RATE (GPM) PER REEL	60	60	60	60	60	60
NITROGEN CYLINDER	2 - 220CF	2 - 300CF	2 - 300CF	3 - 300CF	2 - 300CF	6 - 300CF
PRESSURE RELIEF	250 PSI PSV	250 PSI PSV	250 PSI PSV	250 PSI PSV	250 PSI PSV	250 PSI PSV
FILL OPENING	4.5" VENTED CAP W/ O-RING	4.5" VENTED CAP W/ O-RING	4.5" VENTED CAP W/ O-RING	4.5" VENTED CAP W/ O-RING	4.5" VENTED CAP W/ O-RING	4.5" VENTED CAP W/ O-RING
VESSEL MATERIAL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL
VESSEL THICKNESS (IN.)	1/4	3/8	3/8	3/8	3/8	1/2
VESSEL CONSTRUCTION	ASME	ASME	ASME	ASME	ASME	ASME
FOAM VESSEL LINING	EPOXY COAT	EPOXY COAT	EPOXY COAT	EPOXY COAT	EPOXY COAT	EPOXY COAT
SYSTEM HOSES	BRAIDED SS	BRAIDED SS	BRAIDED SS	BRAIDED SS	BRAIDED SS	BRAIDED SS
FITTINGS	BRASS	BRASS	BRASS	BRASS	BRASS	BRASS
PAINT FINISH	CR COAT	CR COAT	CR COAT	CR COAT	CR COAT	CR COAT

**NOTE: IF YOU HAVE A SPECIAL REQUIREMENT PLEASE CONTACT FACTORY**