

## Large Capacity Dry Chemical Skid Mounted Units

### Description:

Amerex Dry Chemical Skid Units are designed and constructed for one-person operation and pre-pressurized ready for immediate discharge. Units incorporate a large capacity extinguisher cylinder and nitrogen back-up supply ready for instant actuation and maintain constant pressure during the discharge cycle. Chemical and pressure is sealed in the agent cylinder and is protected from moisture and contamination. The advanced expulsion system allows each hose reel to obtain chemical through independent discharge tubes affording a constant discharge rate on demand. A plurality of discharge tubes individually controlled allows for optional installations and isolated discharges when needed. With individual manually controlled discharge valves, either hose reel can be actuated without charging the hose reel not in use. Hose reels located in remote locations can be actuated independent of other remote reels and the remaining reels on the skid unit. All Units can accommodate manual operation or configured for automatic discharge. Units can be optionally completed with standard skid, piped installation or trailer mount.



### Applications:

Amerex Dry Chemical Skid Units provide large capacity fire fighting capabilities for extinguishment for Class B and C hazards. Common high hazard risk areas include:

- LNG Transport Vessels and Facilities
- Cargo Areas and Loading Stations
- Oil and Gas Production Facilities
- Aircraft Rescue and Hangar Facilities
- Fuel Storage Locations
- Marine Port Operations
- Floating Production Storage Units
- Chemical, Textile, Plastics Manufacturing
- Paint and Solvent Areas
- Transformers



# Pre-Pressurized / Nitrogen Cylinder Operated

## Components:

Amerex Dry Chemical Skid Units 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 powder fluffing tube and mechanical pressure safety valve. 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. Optional protective guards can be optionally installed to protect the Units in areas affected by heat radiation or other operational or environmental hazards.

## Specifications:

Amerex Dry Chemical Skid Units are available in seven configurations:

MODEL NO.	900	901	902	903	904	905	906
DRY CHEMICAL CAPACITY	350	500	1000	1500	2000	2500	3000
SHIPPING WT. (LBS.)	902	1300	3000	4056	5000	5750	6375
HEIGHT (IN.)	36.75	48	59.25	61.75	69.25	77.75	86
WIDTH (IN.)	41.875	41.875	57	63	63	63	63
DEPTH (IN.)	45.25	45.25	69.25	72.75	73	72.75	72.75
DISCHARGE RANGE (FT.)	60-80	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	MAWP 250 PSI @ 450°F MDMT -20°F @ 250 PSI
OPERATING TEMP. (°F)	-20 TO 120	-20 TO 120	-20 TO 120	-20 TO 120	-20 TO 120	-20 TO 120	-20 TO 120
HOSE LENGTH EACH REEL (FT.)	100	100	100	100	100	100	100
NUMBER OF HOSE REELS	1	1	1	2	2	2	2
HOSE DIA. (IN.)	1	1	1	1	1	1	1
MAX FLOW RATE (LBS./SEC.) PER REEL	14	14	14	14	14	14	14
NITROGEN CYLINDER	(2) 110 CF	(2) 110 CF	(1) 300 CF	(2) 300 CF	(4) 300 CF	(4) 300 CF	(4) 300 CF
PRESSURE RELIEF	250 PSI PSV	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	4.5" VENTED CAP W/ O-RING
VESSEL MATERIAL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL	CARBON STEEL
VESSEL THICKNESS (IN.)	1/4	1/4	3/8	3/8	1/2	1/2	1/2
VESSEL CONSTRUCTION	ASME	ASME	ASME	ASME	ASME	ASME	ASME
SYSTEM HOSES	BRAIDED SS	BRAIDED SS	BRAIDED SS	BRAIDED SS	BRAIDED SS	BRAIDED SS	BRAIDED SS
FITTINGS	BRASS	BRASS	BRASS	BRASS	BRASS	BRASS	BRASS
PAINT FINISH	CR COAT	CR COAT	CR COAT	CR COAT	CR COAT	CR COAT	CR COAT

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