

Kidde ECS Advanced Delivery Fire Suppression System Component Description



Effective: October 2014

K-85-102

1-Inch Nitrogen Transfer, High Pressure Hose

FEATURES

- *Flexible Hose with 3/4-in. Swivel Bell Fitting for Easy Installation*
- *Three Sizes: Size Depends on Agent Cylinder Size*
- *Part Number Stamped on Hose for Easy Identification*
- *UL Listed, File Number 4674*
- *FM Approved*
- *RoHS Compliant*

DESCRIPTION

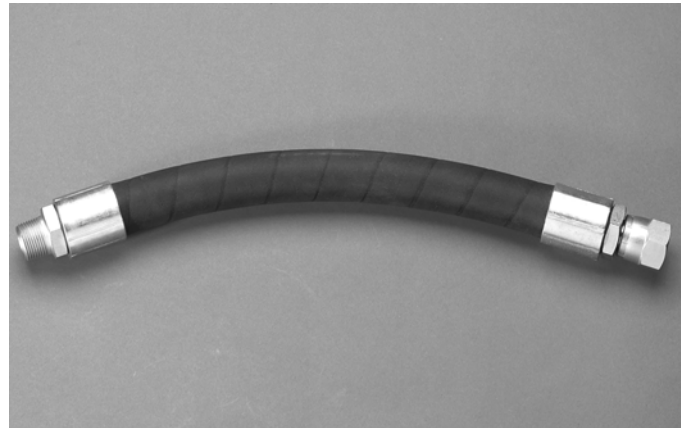
The Kidde ECS Advanced Delivery Fire Suppression System 1-in. Nitrogen Transfer, High Pressure Hoses are used to provide the interconnection between the discharge head on the nitrogen driver and the clean agent storage container. Made to be flexible, a 3/4-in. swivel bell fitting with a hex nut for attachment to the nitrogen discharge Head allows for easy installation. Three sizes are available (P/N 06-118207-00X), for use with the Kidde ECS Advanced Delivery System agent cylinders.

INSTALLATION

The nitrogen transfer hose must always be connected to the agent cylinder and to the discharge head before attaching discharge head to the cylinder valve, in order to prevent injury in the event of inadvertent nitrogen discharge. Failure to follow these instructions could result in death, serious personal injury and/or property damage.



Apply thread tape or pipe dope to the 3/4-in. male NPT thread of the hose. Connect the transfer hose to the 3/4-in. transfer fitting of the actuation kit. Take the other end of the hose and attach the 3/4-in. bell fitting to the grooved-nut discharge head (see Table 1). Make certain that the hose is not kinked. The same installation concept is followed when installing hose P/N 06-118207-003, however, two hoses may be required for the larger agent cylinders.



MAINTENANCE

MONTHLY:

Inspect nitrogen transfer hose for loose fittings, damaged threads, cracks, distortions, cuts and frayed wire braiding. Tighten loose fittings. Replace hoses that have any stripped threads or other damage. Inspect couplings and tees for tightness.

5 YEAR:

Flexible hoses must be hydrostatic pressure tested every five years in accordance with requirements in NFPA 2001.

COMPATIBILITY

Series	For Use With
Kidde ECS Advanced Delivery with FM-200 [®] Agent	X
Kidde ECS Advanced Delivery with 3M [™] Novec [™] 1230 Fire Protection Fluid	X

SPECIFICATIONS

Outer Diameter: 1.625 inches
Inner Diameter: 1 inch minimum
Inner Hose Material: Buna-N Synthetic
Core of Hose: Double Wire Braided
Outer Hose Material: Neoprene Synthetic Rubber
Temperature Range: -40°F to 212°F
 -40°C to 100°C
Minimum Burst Pressure: 6,000 PSI (413 bar)
Couplings Plated: Clear Trivalent Chromate
Approximate Weight:
 14.75-in. Hose 1.9 lb. (0.84 kg)
 18.00-in. Hose 2.3 lb. (1.04 kg)
 23.65-in. Hose 2.8 lb. (1.27 kg)

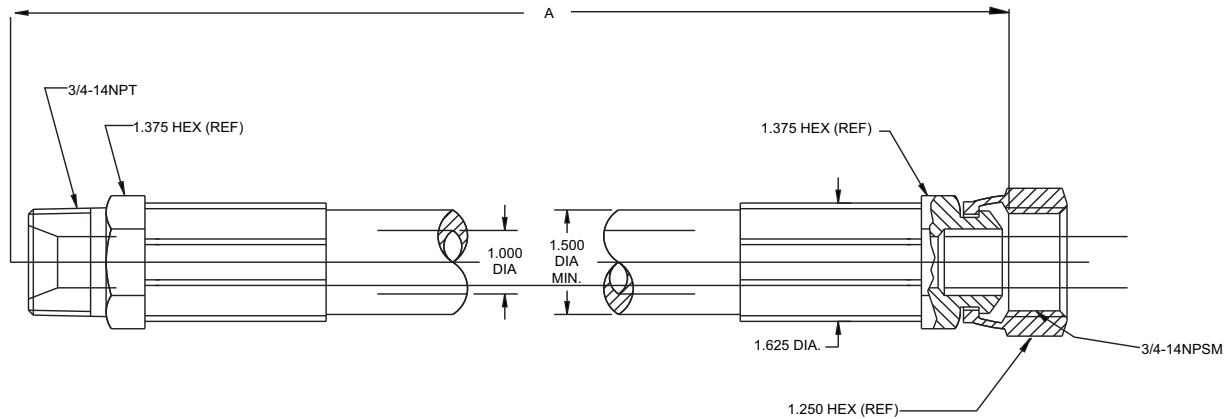


Figure 1. Nitrogen Transfer Hose

ORDERING INFORMATION

Part Number	with 3M™ Novec™ 1230 Fire Protection Fluid	with FM-200® Agent	Dimension "A" Inches	Dimension "A" Millimeters
06-118207-002	200 lb. Cylinder Assembly	225 lb. Cylinder Assembly	14.75	375
06-118207-001	350 lb. Cylinder Assembly	395 lb. Cylinder Assembly	18.00	457
06-118207-003	600 and 900 lb. Cylinder Assembly	675 lb. and 1010 lb. Cylinder Assembly	23.65	600

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