

# Kidde Fire Systems

## ADS™ Component Description



Effective: April 2023  
K-85-102 Rev AB

### 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 Fire Systems ADS™ Fire Suppression Systems (ADS systems) 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 ADS systems agent cylinders.

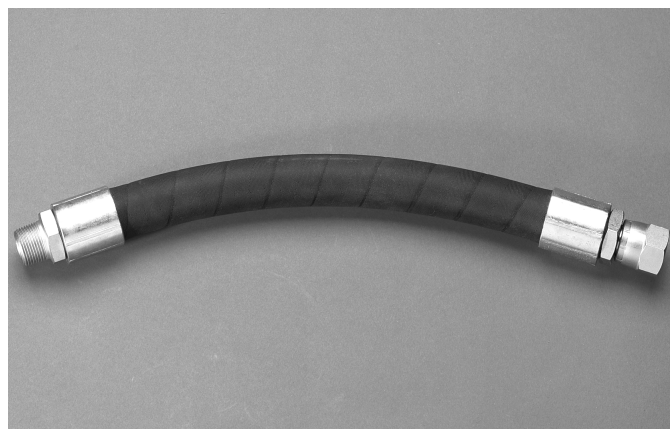
#### INSTALLATION



#### WARNING

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 Fire Systems ADS™ with HFC-227ea Agent	X
Kidde Fire Systems ADS™ for use with Fluoroketone Fire Suppression Agents	X

## SPECIFICATIONS

<b>Outer Diameter:</b>	1.625 inches
<b>Inner Diameter:</b>	1 inch minimum
<b>Inner Hose Material:</b>	Buna–N Synthetic
<b>Core of Hose:</b>	Double Wire Braided
<b>Outer Hose Material:</b>	Neoprene Synthetic Rubber
<b>Temperature Range:</b>	-40°F to 212°F -40°C to 100°C
<b>Minimum Burst Pressure:</b>	6,000 PSI (413 bar)
<b>Couplings Plated:</b>	Clear Trivalent Chromate
<b>Approximate Weight:</b>	
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)

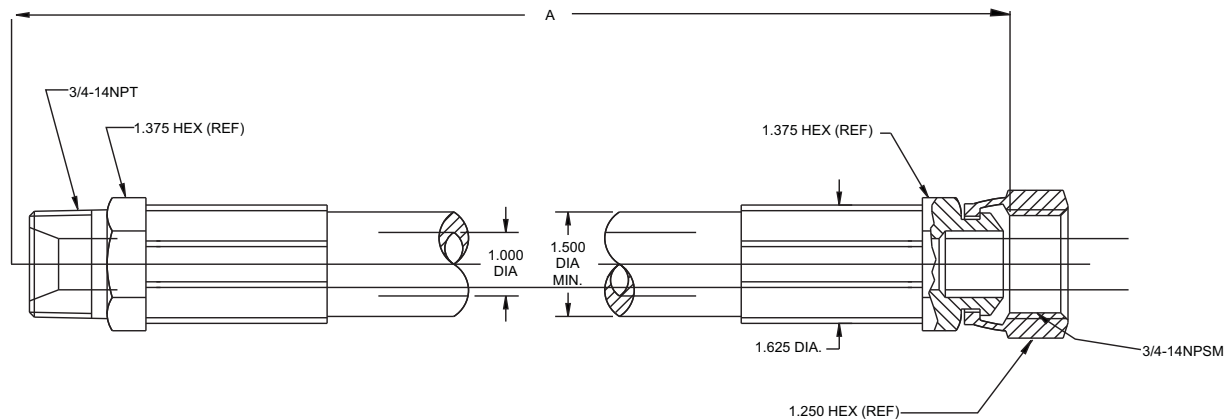


Figure 1. Nitrogen Transfer Hose

## ORDERING INFORMATION

Part Number	with Fluoroketone Fire Suppression Agents	with HFC-227ea 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 and 450 lb. Cylinder Assembly	395 and 450 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

## EXPORT INFORMATION (USA)

Jurisdiction: EAR  
Classification: EAR99

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