

CO₂ Component Description

1/2-Inch and 3/4-Inch Flexible Discharge Hoses



A UTC Fire & Security Company

Effective: March 2007

K-81-9140

FEATURES

- *For Use with CO₂ Only*
- *USCG Approved*
- *1/2-Inch Flexible Discharge Hose (P/N 252184)*
- *3/4-Inch Flexible Discharge Hose (P/N 251821)*
- *See Data Sheets K-81-1080 and K-81-1090 for more information*

DESCRIPTION

Flexible discharge hoses are used to provide the connections between the discharge head (Plain Nut [P/N 872450] or Grooved Nut [P/N 872442]) and the distribution manifold or piping. The hoses are made of rubber with wire reinforcement. The 1/2-inch Flexible Discharge Hose is used with the 24, 35 and 50 lb. CO₂ cylinders. The 3/4-inch Flexible Discharge Hose is used with the 75 and 100 lb. CO₂ cylinders.



INSTALLATION



WARNING

In order to prevent injury from an unexpected, accidental discharge, flexible discharge hoses must always be connected to the system piping and to the discharge heads before attaching the discharge heads to the cylinder valves.

1. Connect the discharge hose to the piping or manifold, as shown on the system drawings.
2. Apply Teflon® tape or pipe dope to all male threads, excluding the first two threads.

Note: Once connected, make sure that the hose is not kinked. An adjustment to the height of the manifold or the distribution piping may be required.

MAINTENANCE

MONTHLY:

Inspect the hoses attached to the discharge heads for any physical damage, deterioration, corrosion, dirt and/or loose fittings. Tighten any loose fittings. Replace flexible hoses if damage is found. If necessary, clean as directed in the CO₂ Design, Installation, Operation and Maintenance Manual (P/N XXXXXX).

SPECIFICATIONS

Body:	Reinforced rubber with wire braid
Fittings:	Steel, Cadmium-Plated Stainless Steel
Weight:	XX lb. (XX)
Temperature Rating:	-40°F to 200°F (-40°C to 93.3°C)
Minimum Burst Pressure:	1/2-inch Hose: 6000 PSI (414 bar) 3/4-inch Hose: 11000 PSI (758 bar)
Hydro Test Pressure:	1/2-inch Hose: 1500 PSI (103 bar) 3/4-inch Hose: 4000 PSI (476 bar)

DIMENSIONS

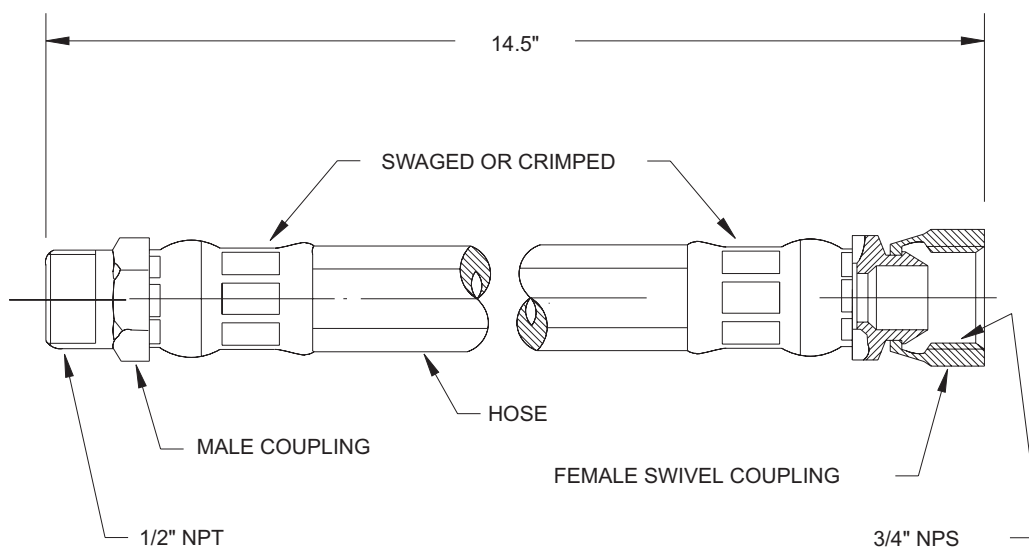


Figure 1. 1/2-Inch Flexible Discharge Hose

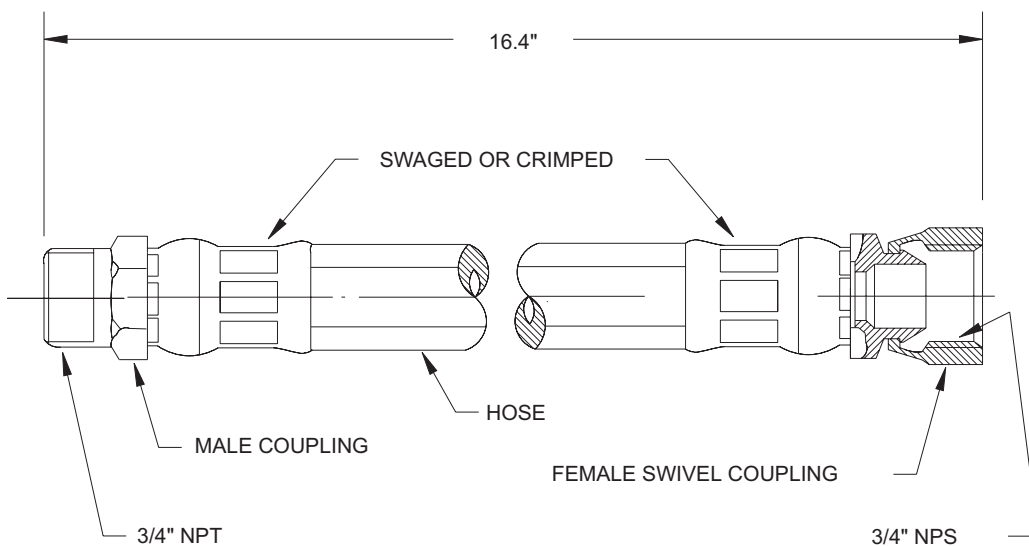


Figure 2. 3/4-Inch Flexible Discharge Hose

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