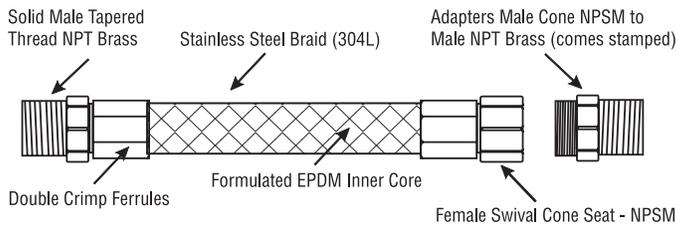


Technical Data	
External braiding	stainless steel AISI 304
Crimping ferrules	stainless steel AISI 304
Connectors	machined brass
Fiber gasket	BA-U fiber washer
Core	formulated EPDM
Operating & burst pressure rating:	
½"	375 psi operating *400 psi <195°F [90°C] 1500 psi burst pressure
¾"	300 psi operating *400 psi <195°F [90°C] 1200 psi burst pressure
1"	225 psi operating 900 psi burst pressure
1¼"	200 psi operating 800 psi burst pressure
1½"	175 psi operating 600 psi burst pressure
2"	150 psi operating 500 psi burst pressure
Component temperature	-5...+230°F [-20...+110°C] less than 41°F with use of glycol additive

Note: Fluid temperature may be limited by the hose rating



Dimensions			
Hose Size	Dimensions Inches [mm]		
12" [304.80] Length	½" [12.70]	¾" [19.05]	1" [25.40]
24" [609.60] Length	½" [12.70]	¾" [19.05]	1" [25.40]

Male NPT hose connection must mate with end connection of Union and Strainer (female NPT must be selected for Strainer tallpiece and Union body if ordering hoses.)

## Application

The flex hose has been specially designed for operating conditions in heating and air conditioning application coils.

Each hose is made up of several components and the special 12 point double crimping on the ferrule under strict quality control gives this hose double security against any leakage. The special EPDM core meets a fully defined specification. Shore hardness, resistance to aging, mechanical resistance (elasticity, tensile fracture, stretching), ability to accept chemical agents in contact with the elastomer and non-toxic. The elastomer is not sensitive to Glycol or water treatment products.

Hoses meet 25/50 flammability and smoke development classification requirements of codes and specifications when tested by ASTM E 84 method.

All hoses are male NPT x female swivel NPSM male cone to male NPT adaptor.

**On Installation:** Avoid absolutely any tension due to stretching during the course of tightening the connectors.

1. Install and tighten the fixed male connector (if applicable).
2. Install and tighten the union adaptor (if applicable).
3. Install and tighten the swivel nut. Use two spanners in order to screw in the union: one to hold the hexagon of the adaptor and the other to tighten the nut at the same time.

**Important:** Do not re-screw the fixed connector or adaptor after tightening the swivel nut; this will cause tensioning of the flexible hose with a risk of rapid deterioration at this point. On removal, take the same precautions. If the flexible hose incorporates two fixed connectors, at least one must be installed on a counter-part fitted with a screw connector.

Part Number	
PHOSE1	½", 12" long male NPT X male NPT
PHOSE2	½", 24" long male NPT X male NPT
PHOSE3	¾", 12" long male NPT X male NPT
PHOSE4	¾", 24" long male NPT X male NPT
PHOSE5	1", 12" long male NPT X male NPT
PHOSE6	1", 24" long male NPT X male NPT

Only standard items are shown. Consult factory or Select-Pro software for full range of available options including 1¼...2" sizes.

NOTE: Every piping package that is ordered with a flexible hose will have 2 hoses and will be loose in the bag for easy connection to any side of the package.

Cv Ratings						
Cv	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
12" Length	3.3	11.0	20.9	NA	NA	NA
18" Length	3.2	10.7	20.3	37.9	64.4	NA
24" Length	3.1	9.9	19.5	36.9	61.0	110.7
36" Length	3.0	9.3	18.2	34.7	55.0	100.8

For calculated pressure drop across each hose, calculate  $P = \frac{(GPM)^2}{Cv}$ . Cv rating is supplied in the above chart.

## Safety Note

**Warning:** This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)