

**JOB:**
**REPRESENTATIVE:**
**UNIT TAG:**
**ORDER NO.**
**DATE:**
**ENGINEER:**
**SUBMITTED BY:**
**DATE:**
**CONTRACTOR:**
**APPROVED BY:**
**DATE:**


## Stainless Steel Flexible Hoses

### DESCRIPTION

The stainless steel flexible hoses are used in HVAC systems as flexible piping between a valve and a heat exchanger. The flexible hose has an external stainless steel wire with an internal rubber tube for insulation. Both sides of the hose are fitted with male NPT connections and zinc plated steel.

### MAXIMUM WORKING PRESSURE

400 PSI (1/2" - 1-1/4"); 300 PSI (1-1/2" - 2")

### OPERATING TEMPERATURE RANGE

-40°F To 212°F (100°C)

### CONSTRUCTION MATERIALS

- Tube: EPTF Tube, 251-80 Ethylene Propylene Thermoplastic Rubber (1/2" - 1-1/4"); 321 Stainless Steel (1-1/2" - 2")
- Reinforcement: 302/304 Stainless Steel Wire Braid  
UL-94 VO Fire Rating For (1/2" - 1-1/4") Only
- End Fittings: Zinc Plated Steel (1/2" - 1-1/4"); Carbon Steel (1-1/2" - 2")
- End Connections: Fixed MNPT x Swivel MNPT
- Couplings: Zinc Plated Steel (1/2" - 1-1/4"); Carbon Steel (1-1/2" - 2")
- Wetted Parts: EPTF, Zinc Plated Steel (1/2" - 1-1/4");  
Carbon Steel, 321 Stainless Steel (1-1/2" - 2")

Part Number	Connection Size	Length	Tagging Information	Quantity
V1000037	1/2"	12"		
V1000038	3/4"	12"		
V1000039	1"	12"		
V1000040	1-1/4"	12"		
V1000041	1-1/2"	12"		
V1000042	2"	12"		
V1000043	1/2"	18"		
V1000044	3/4"	18"		
V1000045	1"	18"		
V1000046	1-1/4"	18"		
V1000047	1-1/2"	18"		
V1000048	2"	18"		
V1000031	1/2"	24"		
V1000032	3/4"	24"		
V1000033	1"	24"		
V1000034	1-1/4"	24"		
V1000035	1-1/2"	24"		
V1000036	2"	24"		
V1000049	1/2"	36"		
V1000050	3/4"	36"		
V1000051	1"	36"		
V1000052	1-1/4"	36"		
V1000053	1-1/2"	36"		
V1000054	2"	36"		



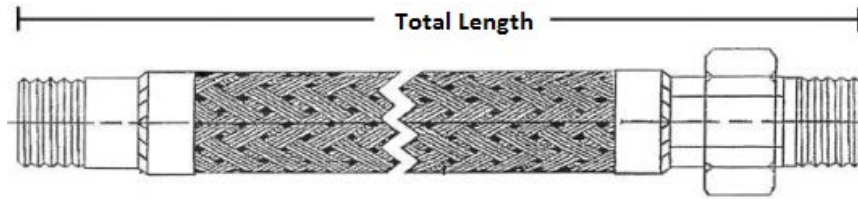
\*Add adaptor length to the above for total length

Part Number	Connection Size (Inner Diameter)	Outer Diameter	Length Less Adaptor	Adaptor Length*	Static Burst (PSI)	Minimum Bend Radius
V1000037	1/2"	.700"	12"	1.25"	1,600	2.5"
V1000038	3/4"	.975"	12"	1.375"	1,600	4"
V1000039	1"	1.245"	12"	1.5"	2,000	5.5"
V1000040	1-1/4"	1.58"	12"	1.75"	1,600	10"
V1000043	1/2"	.700"	18"	1.25"	1,600	2.5"
V1000044	3/4"	.975"	18"	1.375"	1,600	4"
V1000045	1"	1.245"	18"	1.5"	2,000	5.5"
V1000046	1-1/4"	1.58"	18"	1.75"	1,600	8"
V1000031	1/2"	.700"	24"	1.25"	1,600	2.5"
V1000032	3/4"	.975"	24"	1.375"	1,600	4"
V1000033	1"	1.245"	24"	1.5"	2,000	5.5"
V1000034	1-1/4"	1.58"	24"	1.75"	1,600	10"
V1000049	1/2"	.700"	36"	1.25"	1,600	2.5"
V1000050	3/4"	.975"	36"	1.375"	1,600	4"
V1000051	1"	1.245"	36"	1.5"	2,000	5.5"
V1000052	1-1/4"	1.58"	36"	1.75"	1,600	10"

Hoses can be cut to custom length requirements:

- Minimum length for 1/2" and 3/4" hose is 6" with 1" increments
- Minimum length for 1" and 1-1/4" hose is 9" with 1" increments

Note: All lengths are +/- 1% with adaptor



Part Number	Connection Size (Inner Diameter)	Outer Diameter	Total Length	Static Burst (PSI)	Minimum Bend Radius
V1000041	1-1/2"	1.95"	12"	1,200 (Hose Only)	10"
V1000042	2"	2.53"	12"	1,200 (Hose Only)	14"
V1000047	1-1/2"	1.95"	18"	1,200 (Hose Only)	10"
V1000048	2"	2.53"	18"	1,200 (Hose Only)	14"
V1000035	1-1/2"	1.95"	24"	1,200 (Hose Only)	10"
V1000036	2"	2.53"	24"	1,200 (Hose Only)	14"
V1000053	1-1/2"	1.95"	36"	1,200 (Hose Only)	10"
V1000054	2"	2.53"	36"	1,200 (Hose Only)	14"



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