

### Silicone Auto Heater

**Application:** A high temperature heater hose used in hostile engine environments, or other industrial applications where temperature is a factor. Meets SAE J20E R3 Class A

**Construction:**

- Tube :** Red heat resistant silicone.
- Reinforcement :** Single ply polyester braid.
- Cover :** Blue heat and weather resistant silicone.
- Temperature Range:** -54C to +177C (-65F to +350F)
- Standard Lengths:** 50ft and reel quantities



Clamp with Shielded  
Clamps Only

Part No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Min. Burst PSI	Lbs. Per Ft.
THM-9H600025000F	1/4	0.56	175	500	0.12
THM-9H600031550F	5/16	0.63	160	500	0.15
THM-9H600037500F	3/8	0.69	125	500	0.18
THM-9H600050000F	1/2	0.81	110	450	0.24
THM-9H600062000F	5/8	0.93	75	300	0.28
THM-9H600075000F	3/4	1.06	75	300	0.34
THM-9H600087000F	7/8	1.24	60	250	0.40
THM-9H600100000F	1	1.36	60	250	0.46

### Silicone Coolant Hose

**Application:** A high temperature heater hose used in hostile engine environments, or other industrial applications where temperature is a factor.

**Construction:**

- Tube :** Red heat resistant silicone.
- Reinforcement :** 3 plies of polyester.
- Cover :** Blue heat and weather resistant silicone.
- Temperature Range :** -54C to +177C (-65F to +350F)
- Standard Lengths :** 12ft only cut to multiples of 4ft



Clamp with Shielded Clamps Only

Part No.	I.D. Inches	O.D. Inches	Max W.P. PSI	Min. Burst PSI	Lbs. Per Ft.
THM-5WR3A087048I	7/8	1.25	80	325	0.28
THM-5WR3A100048I	1	1.37	75	300	0.32
THM-5WR3A112048I	1-1/8	1.50	75	300	0.37
THM-5WR3A125048I	1-1/4	1.62	65	275	0.42
THM-5WR3A137048I	1-3/8	1.75	65	275	0.47
THM-5WR3A150048I	1-1/2	1.87	60	250	0.53
THM-5WR3A162048I	1-5/8	2.00	60	250	0.58
THM-5WR3A175048I	1-3/4	2.12	55	225	0.63
THM-5WR3A187048I	1-7/8	2.25	55	225	0.68
THM-5WR3A200048I	2	2.37	50	200	0.74
THM-5WR3A212048I	2-1/8	2.50	50	200	0.78
THM-5WR3A225048I	2-1/4	2.62	40	175	0.80
THM-5WR3A237048I	2-3/8	2.75	40	175	0.86
THM-5WR3A250048I	2-1/2	2.87	35	150	0.92
THM-5WR3A262048I	2-5/8	3.00	35	150	0.95
THM-5WR3A275048I	2-3/4	3.12	30	125	0.98
THM-5WR3A300048I	3	3.37	25	100	1.01
THM-5WR3A325048I	3-1/4	---	---	---	---
THM-5WR3A350048I	3-1/2	3.87	15	75	1.04
THM-5WR3A400048I	4	4.37	10	50	1.10
THM-5WR3A450048I	4-1/2	---	---	---	---

**Standard Straight Radiator Hose**


**Application :** designed for common coolants & straight coolant connections in automotive and industrial applications.

**Construction :**

**Tube :** Black EPDM  
**Reinforcement :** 2-ply Fabric  
**Cover :** Black EPDM Wrapped Finish

**Temperature Range :** -40° F to +260° F (-40° C to +125° C)

**SAE Specifications :** 20R1 D1 Standard Wall

**Length :** 3 feet

**Brand Layline :** Standard Rad Hose, I.D. SAE 20R1 D1

**Warning :** do not use for fuel or oil transfer applications.

Part Number	Auto Number	I.D. (in.)	O.D. (in.)	Length	PSIW	LBS Per Ft.	Standard Gear Clamp
	56008	1/2	0.89	3	150	0.22	HS10
20017185	56012	3/4	1.13	3	150	0.29	HS12
20017188	56014	7/8	1.25	3	150	0.33	HS16
20017191	56016	1	1.38	3	150	0.37	HS16
<b>20017192</b>	<b>56016</b>	<b>1</b>	<b>1.38</b>	<b>200</b>	<b>150</b>	<b>0.37</b>	<b>HS16</b>
20017193	56018	1 1/8	1.52	3	150	0.41	HS20
20017197	56020	1 1/4	1.64	3	150	0.45	HS20
20017200	56021	1 5/16	1.70	3	150	0.47	HS24
20017202	56022	1 3/8	1.75	3	150	0.48	HS24
<b>20017203</b>	<b>56022</b>	<b>1 3/8</b>	<b>1.75</b>	<b>200</b>	<b>150</b>	<b>0.48</b>	<b>HS24</b>
20017204	56024	1 1/2	1.88	3	150	0.52	HS24
<b>20017205</b>	<b>56024</b>	<b>1 1/2</b>	<b>1.88</b>	<b>200</b>	<b>150</b>	<b>0.52</b>	<b>HS24</b>
20017207	56026	1 5/8	2.02	3	150	0.56	HS28
20017210	56028	1 3/4	2.16	3	150	0.61	HS28
20017212	56030	1 7/8	2.27	3	150	0.64	HS32
<b>20017213</b>	<b>56030</b>	<b>1 7/8</b>	<b>2.27</b>	<b>200</b>	<b>150</b>	<b>0.64</b>	<b>HS32</b>
20017214	56032	2	2.39	3	150	0.68	HS32
<b>20017215</b>	<b>56032</b>	<b>2</b>	<b>2.39</b>	<b>200</b>	<b>150</b>	<b>0.68</b>	<b>HS32</b>
20017217	56034	2 1/8	2.53	3	100	0.72	HS36
20017219	56036	2 1/4	2.64	3	100	0.76	HS36
20017221	56038	2 3/8	2.77	3	100	0.80	HS40
20017223	56040	2 1/2	2.89	3	75	0.83	HS40
20017225	56042	2 5/8	3.03	3	75	0.88	HS44
20017227	56044	2 3/4	3.14	3	75	0.91	HS44
20017229	56046	2 7/8	3.27	3	75	0.95	HS48
20017231	56048	3	3.38	3	50	0.99	HS48
20017233	56052	3 1/4	3.66	3	50	1.07	HS52
20017235	56056	3 1/2	3.92	3	50	1.15	HS56
20017237	56060	3 3/4	4.16	3	50	1.22	HS60
	56064	4	4.41	3	50	1.30	HS64

### Auto Heater

**Application:** Standard Service Heater Hose used in engine environments, or other industrial applications where Standard Temperature are required.

**Construction:**

**Tube :** EPDM Heat Resistant.  
**Reinforcement :** Two spirals of synthetic textile  
**Cover :** EPDM Heat & Weather Resistant.  
**Temperature Range:** -40° to +125° C (-40° to +257° F)



Part No. ASS-	I.D. Inches	O.D. Inches	Max W.P. PSI	Min. Burst PSI	Lbs. Per C Ft.	Standard Lengths
AH-0250	1/4	0.53	50	200	10	700
AH-0315	5/16	0.63	50	200	14	700
AH-0375	3/8	0.69	50	200	16	700
AH-0500	1/2	0.77	50	200	17	700
AH-0620	5/8	0.88	35	140	26	700
AH-0750	3/4	1.03	35	140	30	700
AH-0870	7/8	---	--	---	--	700
AH-1000	1	1.34	25	100	40	700

### Fuel Line & Vapour Emission - SAE 30R7 type B USCG approved fuel line hose.

**Application:** For conveying fuel in automobiles, trucks, buses, etc..  
 Not designed for marine use with alcohol blended fuels..

**Construction:**

**Tube :** Black Nitrile.  
**Reinforcement :** Spiral synthetic cord.  
**Cover :** Black synthetic, Nitrile / PVC blend.  
**Temperature Range:** -34C to +125C ( -29F to +257F)  
**Standard Lengths:** 25' Foot or 700' Foot Reel



Part No. ASS-	I.D. Inches	O.D. Inches	Max W.P. PSI	Min. Burst PSI	Lbs. Per C Ft.	Standard Lengths
FLVE-0188	3/16	0.41	50		6.5	700
FLVE-0250	1/4	0.50	50		10.0	700
FLVE-0313	5/16	0.56	50		11.0	700
FLVE-0375	3/8	0.63	50		22.0	700
FLVE-0500	1/2	0.91	50		27.0	700
FLVE-0625	5/8	0.88	50		33.0	700

### Hardwall Fuel Fill - SAE J1527 and U.L. Spec 1114 sect. 16.

**Application:** Used from deck fill to marine fuel tank. Extremely flexible, will not kink when used on short bend radius.

**Construction:**

**Tube :** Black Nitrile.  
**Reinforcement :** High tensile wire helix & layers of synthetic yarn.  
**Cover :** Black synthetic Oil Resistant.  
**Temperature Range:** -32 to+ 82C (-25F to +180F)  
**Standard Lengths:** 100ft cut to multiples of 5ft



Part No. ASS-	I.D. Inches	O.D. Inches	Max W.P. PSI	Min. Burst PSI	Lbs. Per C Ft.
MFF-1.5	1-1/2	1.91	150		0.75
MFF-1.625	1-5/8	2.04	150		0.80
MFF-1.75	1-3/4	2.17	150		0.89
MFF-1.875	1-7/8	2.29	150		0.95
MFF-2	2	2.42	150		1.01
MFF-2.125	2-1/8	2.55	150		1.06
MFF-2.25	2-1/4	2.67	150		1.12
MFF-2.375	2-3/8	2.79	150		1.17
MFF-2.75	2-3/4	3.16	150		1.38
MFF-2.875	2-7/8	3.28	150		1.44

## Auto Turbo-Charger Hose

### High Temperature : Turbo-Charger Hose

Turbocharger Hose Specially compounded for use as a short, flexible connector between the air intake and the turbocharger. Can also be used for turbocharger air discharge.



- Approved for Marine Applications.
- Silicone elastomer inner liner reinforced with woven fiberglass fabric & coated with orange silicone rubber
- Resists high temperatures and pressures.
- Resists coolants, weathering and ozone.
- Highly visible orange color helps distinguish this hose from engine coolant hose.
- Temperature rating: -60°F to +500°F (-51°C to +260°C)
- Packaging: 1 each.

I.D. (In.)	Part No.	Length (In.)	PSIW	I.D. (In.)	Part No.	Length (In.)	PSIW	I.D. (In.)	Part No.	Length (In.)	PSIW
1	26116	36	45	2 3/4	26144	36	25	3 3/4	26160	36	15
1 1/2	26124	36	40	3	26001	3	25	3 7/8	26162	36	15
1 3/4	26128	36	35	3	26148	36	25	4	26164	36	15
2	26132	36	35	3 3/8	26002	31/2	15	4 1/2	26166	36	15
2 1/4	26136	36	30	3 3/8	26003	6	15	5	26007	3 1/2	15
2 3/8	26138	36	30	3 3/8	26154	36	15	5 1/2	26008	3 1/2	15
2 1/2	26140	36	30	3 1/2	26004	3	20				
2 5/8	26142	36	15	3 1/2	26156	36	20				



LPG Composite Hose Products



Code 974: CRYOFLEX® 20 GG cryogenic hose is specially designed for the safe transfer of ambient liquefied petroleum gasses and related conveyants.

Typical applications: Liquefied petroleum gasses and related conveyants to -20°F(-30°C).

Certification: CSA 8.1-M86-CAN/C9A(R2005) Type 1 certification issued with Canadian Registration Number on factory built assemblies. Complete with standard hydrostatic testing and issued with a factory test certificate.

Conveyants handled: Butane, Butane/Propane mixtures, Propane, Refrigerant Gasses.

Features:

- Maximum compatibility – handles a wide range of temperatures and cryogenic conveyants
• Outer cover provides protection from abrasion
• Reliability – tested to industry standard 1 1/2 times rated working pressures
• Double end-to-end electrical continuity – prevents static electricity build-up and internal arcing

- Inner Wire : High tensile strength Galvanized Steel
Outer Wire : High tensile strength Galvanized Steel
Carcass : Multiple layers of Polyamide fabrics and films
Cover : Nylon cover. Rope lagging for extra protection and insulation available.
Temperature Range : -20°F(-30°C) to +275°F(+135°C) (refer to Chemical Compatibility Chart)
Colour : White with yellow stripe
Couplings : Specifically engineered, factory fitted end connections such as threaded males, fixed or swivel flanges or to any custom specification



Standard Stock Hose Assemblies with Male Pipe ends

Table with 7 columns: Part # UIS-, Hose I.D., Working Pressure, Bend Radius, Weight LBS Foot, Assembly Length, Max. Length. Rows include C0974-2-10, C0974-2-15, C0974-2-20, C0974-2-25.

Table with 7 columns: Part # UIS-, Hose I.D., Working Pressure, Bend Radius, Weight LBS Foot, Assembly Length, Max. Length. Rows include C0974-1-\_\_-, C0974-15-\_\_-, C0974-2-\_\_-, C0974-3-\_\_-.



# Air Hose Assemblies - Crimped



Smooth Coupling



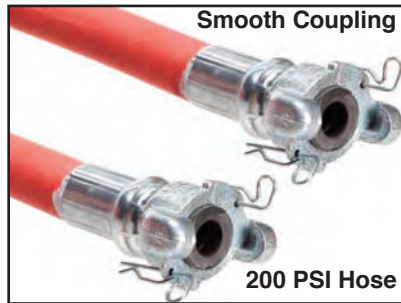
Bolt Clamp



Center Punch Clamp

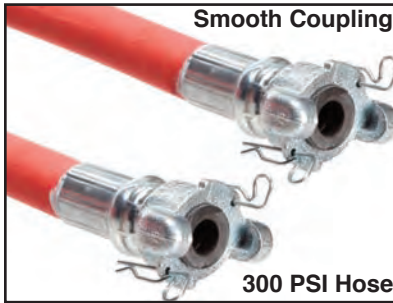


- Crimped Assemblies are Low, Smooth Profile & eliminates Sharp Edges from Bolts or Center Punch Clamps.
- Crimped Assemblies are easier to connect due to the Smooth Profile ( No Bolts or Clamp Buckles ).
- Crimped Assemblies cause less Hand Injuries due to the Smooth Profile ( No Bolts or Clamp Buckles ).
- Crimped Assemblies cause less Hang ups while Handling due to the Smooth Profile ( No Bolts or Clamp Buckles ).



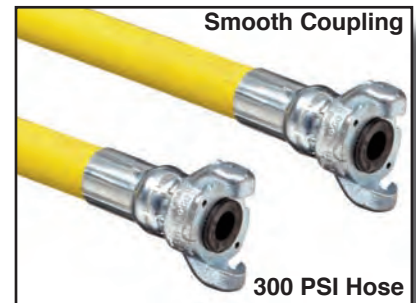
Smooth Coupling

200 PSI Hose



Smooth Coupling

300 PSI Hose



Smooth Coupling

300 PSI Hose

3/4" X 50' coil c/w  
**Universal Couplings on each end**  
**Construction :**  
**Tube :** EPDM  
**Cover :** EPDM  
**Reinforcement :** Fabric  
**Temperature :** -40°F to 190°F  
 -40°C to 88°C  
**Couplings :** Mall. Iron 150 PSIW

3/4" X 50' coil c/w  
**Universal Couplings on each end**  
**Construction :**  
**Tube :** EPDM  
**Cover :** EPDM  
**Reinforcement :** Fabric  
**Temperature :** -40°F to 190°F  
 -40°C to 88°C  
**Couplings :** Mall. Iron 150 PSIW

3/4" X 50' coil c/w  
**Universal Couplings on each end**  
**Construction :**  
**Tube :** Nitrile  
**Cover :** Carboxylated Nitrile  
**Reinforcement :** Fabric  
**Temperature :** -40°F to 190°F  
 -40°C to 88°C  
**Couplings :** Mall. Iron 150 PSIW



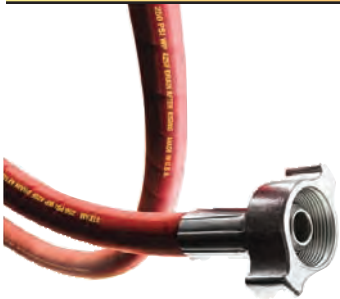
OSHA 29 CFR Part 1910

Pipe Size	Male Pipe Mall. Iron	Female Pipe Mall. Iron	Three Way Connector	Safety Vented Ball Valve	Whip Checks *	Hose I.D., Cable Size, Length
1/4"	AMB1	AMC1	AM10	XVVP500P-4	WB1	1/2" to 1 1/4" - 1/8" - 20 1/4"
3/8"	AMB	AMC	One Size	XVVP500P-6	WB3	1/2" to 2" - 3/16" - 28"
1/2"	AM2	AM3	Fits All	XVVP500P-8	WA2	1-1/2" to 3" - 1/4" - 38 1/4"
3/4"	AM7	AM8		XVVP500P-12	WA4	4" - 3/8" - 44"
1"	AM12	AM13		XVVP500P-16		

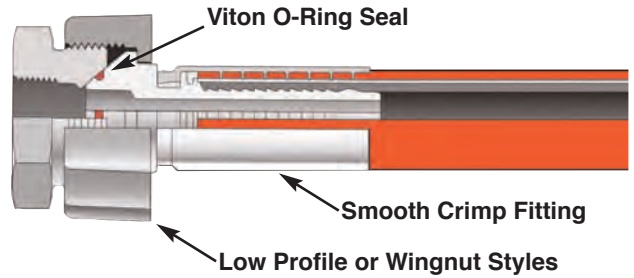
\* OS & H Canada regulation, states: "Where an air hose is connected to a portable Air Powered Tool used by an Employee, a restraining device shall be attached to all hose connections, in order to prevent injury to an employee in the event of an accidental disconnection of a hose."



# 250 CB Extreme Crimp Steam



- No More Protruding Bolts
- No More Daily Retightening Bolts
- No More Cracked Clamps
- No More Hissing Steam Loss



A leaky steam hose can “hiss away” 2.6 lbs. of steam per minute – annually, that can really add up!

That’s why We developed a Crimped Steam Hose Program. The program combines our Premium Steam Hose with Couplings specifically designed for Steam Assemblies that reduce leaks, reduce Electrostatic Discharges & cut costs.

A Single Leaky Coupling	Steam Loss	Cost lbs. steam	Day	Week	Month	Steam Season*
	2.6 lbs./min	\$11.00/1,000	\$41.00	\$287.00	\$1,250.00	\$6,200.00

\*Approximate loss for 5-month steam season

## Flexsteel® 250 CB Extreme Steam Hose

### Construction :

- Tube : Chlorobutyl
- Cover : Red wrapped Pyrosyn
- Reinforcement : Wire Braid
- Temperature : -40°F to 450°F (-40°C to 232°C)

### Flexsteel® 250 CB Extreme Steam Hose

Part #	Hose I.D. Inch / mm	Hose O.D. Inch / mm	Working PSI / Mpa	Weight LBS Ft / kg m
	3/4" / 19.1	1.31" / 33.27	250 / 1.72	0.68 / 1.01

## Steam Hose Couplings



Hose Size	Thread Size	Female Ground Joint Wing Nut	Male Pipe	Female Ground Joint Low Profile	O-Ring	Male Pipe Swivel
3/4"	1 1/2" MPSPM	GJF-3V		RGJF-3V	VO-3	
3/4"	3/4" MPT		IMS-3V			IMS-3VSW

## Connecting Spuds

- Spud does not contain plastic seat, extending working life.
- Interchangeable with old-style domestic ground joint couplings.



Pipe Size	Thread Size	Male Ground Joint Nut to FPT	Male Ground Joint Nut to MPT	Male Double Spud MPSPM
3/4"	1 1/2" MPSPM	GFS-3	GMS-3	GDS-3
1"	1 1/2" MPSPM	GFS-4	GMS-4	GDS-4