

WELDING & STEAM HOSE

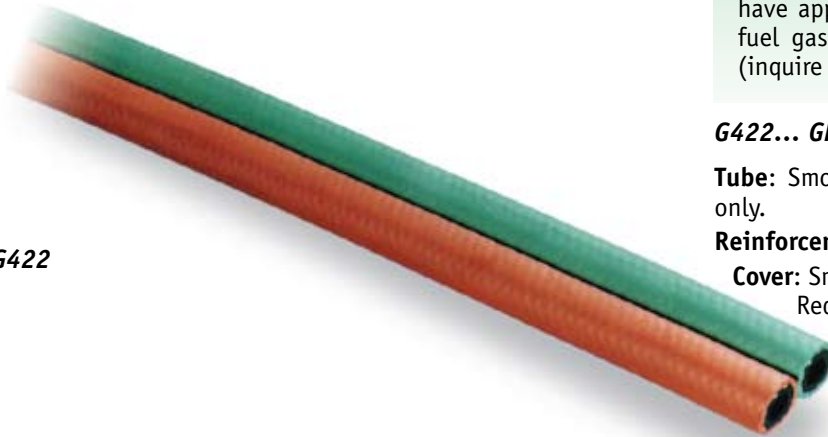


WELDING HOSE

Weld

Grade R Twin Weld is designed for welding and cutting where oxygen and acetylene are used. Grade R is by far the most commonly used welding hose today. However G422 is not suitable for use with other fuel gas mixtures that have appeared in recent years. These hydrocarbon based fuel gases require a low-permeation, oil resistant hose (inquire for G423.)

G422



G422... GRADE R TWIN WELD

Tube: Smooth, black, EPDM rubber. For use with Acetylene only.

Reinforcement: High-tensile spiralled synthetic yarn.

Cover: Smooth, weather and abrasion resistant EPDM rubber. Red for acetylene, green for oxygen.

Temperature Range: -40°C (-40°F) to 95°C (203°F)

I.D.	Part Number	O.D.	Working Pressure	Weight per ft	PRICE PER FOOT		Approx Reel Length
					Cut	Reel	
3/16"	G422-019	0.44 x 0.88"	200 psi	0.15 lb	\$ 1.35	\$ 1.00	700 ft
1/4	G422-025	0.53 x 1.06	200	0.21	1.40	1.00	700
5/16	G422-031	0.59 x 1.19	200	0.25	2.30	1.65	700
3/8	G422-038	0.66 x 1.31	200	0.27	3.20	2.50	700



G422 Assembly

TWIN WELD ASSEMBLIES

G422 Grade R Twin Weld is also available in coupled assemblies. We use all-brass fittings coupled with long brass ferrules for extra holding power. Assemblies are individually packaged.

I.D.	Length	Part Number	Weight Each	PRICE EACH
3/16"	20 ft	G422-019x20 ft	3.2 lb	\$ 29.60
3/16	25	G422-019x25 ft	4.0	31.40
3/16	50	G422-019x50 ft	8.0	57.40
1/4	25	G422-025x25 ft	5.5	37.10
1/4	50	G422-025x50 ft	10.5	58.30
1/4	100	G422-025x100 ft	21.0	118.70



G411 & G412

Grade R Single-Line Welding is designed for welding and cutting where oxygen and acetylene are used and single hoses are preferred. The fluted cover and heavy reinforcement have made this hose popular wherever external abuse is severe. G412 meets RMA specifications for Grade R, Type S. However G412 is not suitable for use with other fuel gas mixtures that have appeared in recent years. These hydrocarbon based fuel gases require a low-permeation, oil resistant hose (inquire for G423.)

G411 & G412... GRADE R SINGLE LINE

Tube: Smooth, black, EPDM rubber. For use with acetylene or oxygen only. Not for use with other fuel gases

Reinforcement: High-tensile spiralled synthetic yarn.

Cover: Fluted (corrugated), weather and abrasion resistant EPDM rubber. Red for acetylene, green for oxygen.

Temperature Range: -40°C (-40°F) to 95°C (203°F)

I.D.	PART NUMBER		O.D.	Working Pressure	Reinforcement	Weight per ft	PRICE PER FOOT		Approx Reel Length
	Green Cover Oxygen	Red Cover Acetylene					Cut	Reel	
3/16"	G411/O-019	G411/A-019	0.44"	200 psi	2 spiral	0.09 lb	\$ 1.30	\$ 0.80	700 ft
1/4	G411/O-025	G411/A-025	0.53	200	2	0.13	1.60	1.10	700
1/4	G412/O-025	G412/A-025	0.59	200	4	0.16	1.80	1.20	700
3/8	G412/O-038	G412/A-038	0.72	200	4	0.21	2.40	1.70	700
1/2	G412/O-050	—	0.94	300	4	0.33	4.90	3.50	700

STEAM HOSE

Weld

Note: All steam hoses will last longer if they are drained after each use. Water that is left in steam hose tends to be absorbed into the tube compound. When the hose is rapidly reheated, the condensed moisture vaporizes in the rubber compound causing blistering of the tube. In general, steam hoses are not a substitute for steel piping and should not be used in manifold systems or any other permanent installation.

Fittings: Only G29 series ground joint or G23 series male NPT stems should be used to couple steam hose. Always use G29C series interlocking clamps to prevent stem blowout.

G572



G572... RED DEVIL

Red Devil is manufactured using layers of high-tensile spiral wire for extra flexibility and with a heavy, wrapped cover for durability. It is rated for saturated steam to 250 psi and is our most popular steam hose for heavy industrial applications.

Tube: Black EPDM rubber compounded for high resistance to heat aging.

Reinforcement: Spiral layers of brass-plated, high-tensile, steel wire.

Cover: Smooth, red, abrasion, weather, and heat resistant EPDM rubber, pin-pricked to prevent blistering.

Temperature Range: -40°C (-40°F) to 208°C (406°F) ...short peaks to 232°C (450°F)

I.D.	Part Number	O.D.	Working Pressure	Weight per ft	PRICE PER FOOT		Standard Length
					Cut	Std Length	
1/2"	G572-050	0.98"	250 psi	0.34 lb	\$ 6.60	\$ 5.00	50 or 100 ft
3/4	G572-075	1.22	250	0.47	7.30	5.70	50 or 100
1	G572-100	1.46	250	0.63	9.10	7.00	50 or 100
1 1/4	G572-125	1.75	250	0.95	13.60	10.40	50 or 100
1 1/2	G572-150	2.05	250	1.13	16.10	12.40	50 or 100
2	G572-200	2.56	250	1.61	19.40	14.90	50 or 100

For popular steam hose assemblies see page 52.

Clamp Selection Chart:

Hose Part No.	Clamp Part No.
G572-050	G29C-050A
G572-075	G29C-075A
G572-100	G29C-100AA
G572-125	G29C-100B
G572-150	G29C-150AA
G572-200	G29C-200AA

Note: All steam hoses will last longer if they are drained after each use. Water that is left in steam hose tends to be absorbed into the tube compound. When the hose is rapidly reheated, the condensed moisture vaporizes in the rubber compound causing blistering of the tube. In general, steam hoses are not a substitute for steel piping and should not be used in manifold systems or any other permanent installation.

Fittings: Only G29 series ground joint or G23 series male NPT stems should be used to couple steam hose. Always use G29C series interlocking clamps to prevent stem blowout.

G573... CHLOROBUTYL STEAM

Chlorobutyl rubber has excellent heat resistance and is less permeable to gases than other synthetic rubbers. These characteristics provide for a steam hose with improved life expectancy. Not only does the tube compound not age so quickly, but it absorbs much less steam. When steam hoses cycle from hot to cold, the steam that has been absorbed into the steam hose tube condenses. When it is suddenly re-heated, the water can vaporize and cause tiny "explosions" into the tube. The result is an effect called "popcorning" where the hose bore appears to have bubbled. Chlorobutyl rubber has improved resistance to this effect.

Tube: Black Chlorobutyl rubber compounded for high resistance to heat aging.

Reinforcement: Spiral layers of brass-plated, high-tensile, steel wire.

Cover: Smooth, red, abrasion, weather, and heat resistant EPDM rubber, pin-pricked to prevent blistering.

Temperature Range: -40°C (-40°F) to 208°C (406°F) ...short peaks to 232°C (450°F)



G573

I.D.	Part Number	O.D.	Working Pressure	Weight per ft	PRICE PER FOOT		Standard Length
					Cut	Std Length	
3/4"	G573-075	1.22"	250 psi	0.47 lb	\$ 9.50	\$ 8.00	50 or 100 ft
1	G573-100	1.46	250	0.63	11.70	9.60	50 or 100
2	G572-200	2.56	250	1.61	24.00	19.50	50 or 100

For popular steam hose assemblies see page 52.

STEAM HOSE

Weld



STEAM HOSE ASSEMBLIES

Steam hoses are supplied with G29C interlocking clamps for secure fitting retention. Fittings are generally G29 ground joint style stems with wing nuts or G23S male pipe stems. These fittings all have collars on the barb to interlock with the G29C clamp. Common hose assemblies are listed below.

Hose size	Thread size	Length	Part Number	Weight Each	PRICE EACH
G572 Assemblies:					
3/4"	3/4" NPT	50 ft	G572-075MM50	26 lb	\$ 317.00
3/4	1 NPT	50	G572-075M16M50	26	328.00
1	1 NPT	50	G572-100MM50	36	399.00
2	2 NPT	50	G572-200MM50	93	844.00
3/4	3/4 NPT & G29	50	G572-075MF50	27	324.00
1	1 NPT & G29	50	G572-100MF50	37	411.00
2	2 NPT & G29	50	G572-200MF50	95	856.00
3/4	G29 & G29	50	G572-075FF50	27	332.00
1	G29 & G29	50	G572-100FF50	37	442.00
2	G29 & G29	50	G572-200FF50	96	869.00
G573 Assemblies:					
3/4"	3/4" NPT	50 ft	G573-075MM50	26 lb	\$ 429.00
3/4	1 NPT	50	G573-075M16M50	26	440.00
1	1 NPT	50	G573-100MM50	36	532.00
2	2 NPT	50	G573-200MM50	93	1,073.00
3/4	3/4 NPT & G29	50	G573-075MF50	27	436.00
1	1 NPT & G29	50	G573-100MF50	37	541.00
2	2 NPT & G29	50	G573-200MF50	95	1,085.00
3/4	G29 & G29	50	G573-075FF50	27	443.00
1	G29 & G29	50	G573-100FF50	37	551.00
2	G29 & G29	50	G573-200FF50	96	1,098.00