

Eaton® SC-GTW LP Gas Hose



LPG Designed Hose for Mobile, Forklift, and Transfer



Conforms to Australian standards AS-1869 Class D. Approved for use with LPG. Australian Gas Association Approval No. 7576.

Eaton is launching the new SC-GTW series of hose designed for LPG applications. Eaton is excited to offer this hose as an Australian Gas Association approved hose with the lowest extractable and permeation rate. The hose construction consists of a tube made with DuPont Teflon® resin, a single stainless steel wire braid, and a black and blue fire retardant aramid polyester cover. The exceptional flexibility and low permeation rate make the SC-GTW the ideal solution for mobile markets such automotive, forklift, light and medium duty truck, and transfer.

This development is yet another example of Eaton's quest to deliver solutions that support and protect our environment and provide technically superior products for our customers.



Features

- Australian Standards AS-1869 Class D approved for use with LPG specification hose
- Stainless steel reinforcement
- Exceptional flexibility
- Abrasion resistance cover
- Hose made with Teflon®
- Lowest extractable hose
- Lowest permeation rate of any AGA qualified hose

Benefits

- Eaton exceeds the AS-1869 rate of 3 mg/m
- High tensile strength
- Easy to install
- No additional abrasion sleeve required
- Superior chemical resistance to LP gases
- Meets current and future environmental standards for fuel permeation

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Powering Business Worldwide

Eaton SC-GTW LP Gas Hose



Part Number	Hose I.D.		Hose O.D.		Maximum Working Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight Per Meter	
	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lbs/ft
SC-6GTW	7.9	0.31	13.6	0.54	2.6	377	10.4	1,508	101.6	4.0	0.18	0.12
SC-10GTW	12.7	0.50	19.1	0.75	2.6	377	10.4	1,508	165.1	6.5	0.27	0.18

Application

Designed for butane-propane applications on mobile and stationary LPG gas engines.

Construction

Made of a conductive Teflon® tube, a single stainless steel wire braid, and a fire retardent black and blue aramid polyester cover.

Operating Temperature Range

-20°C to +125°C
(-4°F to +257°F)

Teflon® is a registered trademark of DuPont, used under license by Eaton.

Markets

Automotive, forklift, light and medium duty truck and transfer.

Authorized Hose Fittings For Use With SC-GTW Hose

Part Number	Description	Thread Size
For SC-6GTW		
05E-406	5/16" SAE 45 Straight Female Swivel	5/8 - 18
05E-CB06	5/16" SAE 45, 45 deg Elbow Female Swivel	5/8 - 18
05E-F06	5/16" SAE 45, 90 deg Elbow Female Swivel	5/8 - 18
For SC-10GTW		
08E-406	1/2" SAE 45 Straight Female Swivel	5/8 - 18
08E-CB06	1/2" SAE 45, 45 deg Elbow Female Swivel	5/8 - 18
08E-F06	1/2" SAE 45, 90 deg Elbow Female Swivel	5/8 - 18

Assembly Instructions

- Measure hose to desired length. Wrap cut-off point with tape and mark. Desired length is determined by subtracting cut-off factor from assembly overall length.
- Cut hose squarely to the desired length with a fine-tooth hacksaw or a cut-off wheel. Clean the hose bore after cutting.
- Remove adhesive tape. Choose the correct fittings to assemble. Push hose on the fitting until the fitting bottoms.
- Slide the pusher to the back position. Using the crimp specification, select the proper collet assembly and spacer ring.
- Lubricate the inside cone base die ring and the outside cone of the die ring adapter plate. Place the die ring adapter plate into the base die ring. Lubricate the external surfaces of collet assembly halves with a high-efficiency PTFE-base lubricant. Insert the collet assembly into the die ring adapter.
- Insert the hose assembly through the bottom of the base die ring and between the two collet assembly halves. Align the fitting with the top of the collet halves as referenced on the crimp specification.
- Place the spacer ring in the appropriate position on top of the collet assembly (either flat-side up or flat side down as referenced in the crimp specification).
- Pull the pusher forward into the detent holding position with the pusher positioning handle.
- Begin crimping by actuating the pump. When the spacer ring bottoms out against the base die ring, the crimping is complete. Visually inspect the crimp and verify the correct crimp diameter and length. The crimp should be located ± 1.5 mm from the scribe line.
- Ensure the hose identifying label is securely attached at the completion of the assembly procedure.

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