



Aeroquip

FC619 Hose

Flexible SAE100R4 Suction Hose

Innovation Sheet

Flexible, wire-inserted suction hose exceeds SAE100R4

Eaton listens to the voice of our customers. You told us that you wanted greater flexibility and larger sizes (-40, -48). We are pleased to offer an enhanced product that can easily be pushed over a beaded tube and also has increased flexibility. We understand that increased flexibility means simple, easy and neat installations. Through the use of state-of-the-art quantitative flexibility measuring instruments, we improved FC619 to be one of the best and most flexible 100R4 hose in the industry.

Eaton's new easy-to-route, flexible suction and return hose was designed with the installer in mind. Exceeding performance requirements of SAE100R4, FC619 hose is extremely flexible to handle and rated at 1/2 the SAE minimum bend radius standards. With its proprietary compound inner tube, this revolutionary new suction hose will handle a wide range of hydraulic fluids to temperatures of +275°F, making it ideal for under-the-cowling mobile equipment applications.

Applications

- Low pressure return lines in many hydraulic systems
- Perfect for pump inlet lines
- Excellent fluid compatibility allows for multiple fluid transfer applications
- Excellent applicability in confined spaces



Features

- Extremely flexible and lightweight
- Exceeds performance parameters of SAE100R4
- 1/2 SAE rated bend radius in all sizes (-12 through -32)
- Temperature range of -40°F to +275°F (-40°C to +135°C)
- MSHA approved, fire-resistant cover
- 28 in. Hg vacuum rating in all sizes
- Qualified with Aeroquip's TTC, OTC and band-clamp style fittings
- Integral Helicoil construction ensures full flow, no-collapse performance
- Orange layline for easy identification

Benefits

- Lightweight, flexible hose is easy to install
- Proprietary inner-tube compound is compatible with wide range of fluids and temperatures to +275°F (+135°C)
- Reliable, tested design assures you of trouble-free service
- Improved flexibility allows more routing options and minimizes overall assembly lengths, reducing costs



SPECIFICATIONS

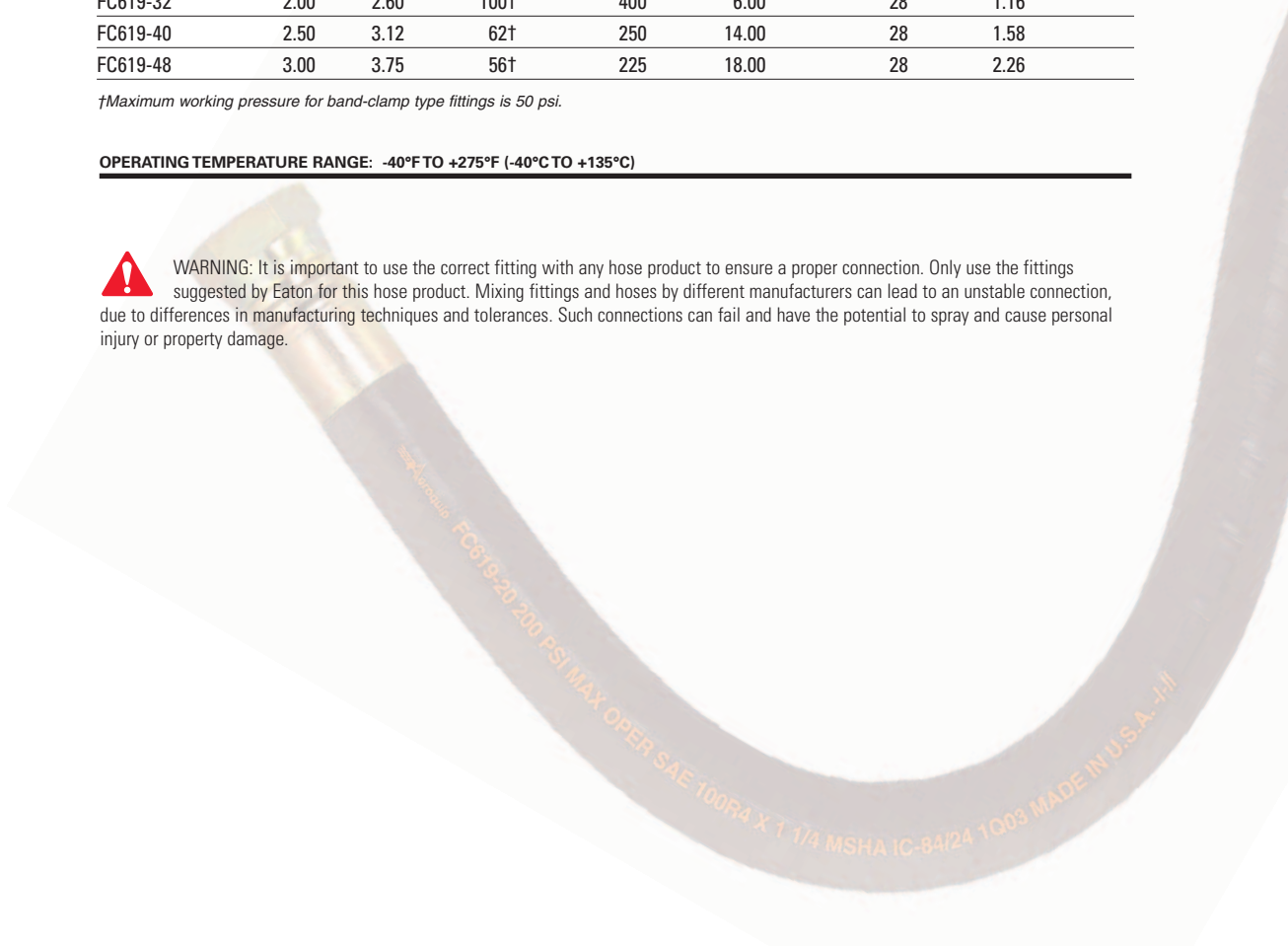
PART NUMBER	HOSE I.D.	HOSE O.D.	MAXIMUM OPERATING PRESSURE	MINIMUM BURST PRESSURE	MINIMUM BEND RADIUS	VACUUM SERVICE	WEIGHT PER FOOT
	INCHES	INCHES	PSI	PSI	INCHES	INCH/HG	POUNDS
#							
FC619-12	.75	1.28	300†	1200	2.50	28	.44
FC619-16	1.00	1.51	250†	1000	3.00	28	.52
FC619-20	1.25	1.82	200†	800	4.00	28	.75
FC619-24	1.50	2.07	150†	600	5.00	28	.85
FC619-32	2.00	2.60	100†	400	6.00	28	1.16
FC619-40	2.50	3.12	62†	250	14.00	28	1.58
FC619-48	3.00	3.75	56†	225	18.00	28	2.26

†Maximum working pressure for band-clamp type fittings is 50 psi.

OPERATING TEMPERATURE RANGE: -40°F TO +275°F (-40°C TO +135°C)



WARNING: It is important to use the correct fitting with any hose product to ensure a proper connection. Only use the fittings suggested by Eaton for this hose product. Mixing fittings and hoses by different manufacturers can lead to an unstable connection, due to differences in manufacturing techniques and tolerances. Such connections can fail and have the potential to spray and cause personal injury or property damage.



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