

Aeroquip by Danfoss | FC619C EDGE series fact sheet

Aeroquip by Danfoss FC619C hose



The FC619C Corrugated Suction hose is a top-tier suction hose in the EDGE Series product line, engineered to extend hose life and simplify installation. Its primary characteristic is having the industry's tightest corrugated hose bend radius which, combined with a reduced force to bend, makes it exceptionally easy to handle and install in confined spaces. This hose is built to exceed SAE 100R4 standards and is resistant to high temperatures, harsh chemicals, and buckling, ensuring reliable, leak-free performance.

The EDGE six-point system

Features:	Benefits:
• 1,000,000 Impulse Cycles	• Extends hose life, reduces downtime, and lowers replacement costs.
• Higher Pressure Performance	• Allows for use in more powerful applications and provides a greater safety factor.
• Tighter Bend Radius DuraFLX™ technology offers a 1/1 bend radius	• Enables faster, easier installation, especially in tight spaces.
• Wide Temperature Range	• Ensures reliable performance in extreme hot and cold conditions.
• 100x Abrasion Resistance DuraTUFF+™ cover with 100x the abrasion of standard hose	• Protects against external wear, significantly increasing durability.
• Class 0 Leakage	• Guarantees leak-free connections, improving safety and efficiency while preventing fluid loss.



Markets & Applications:

Suction & transfer applications for:

- Petroleum
- Fuel
- Lubricating Oils
- Gasoline
- Water

Learn more at
danfoss.com/edge



EDGE Premier Hydraulic Series • Suction

FC619C

Core premium suction spiral hose



Meets or exceeds:

SAE 100R4 | ISO 18752

Typical application:

Suction and transfer applications for petroleum hydraulic fluids, fuel, lubricating oils, gasoline, water and many other industrial fluids

Agency specifications: ABS | MSHA

Hose construction:

- Inner tube:** Nitrile
- Reinforcement:** Helical wire between two textile reinforcement layers
- Cover:** DuraTUFF+ premium abrasion

Operating temperature: -40°C to +135°C (-40°F to +275°F)

Qualified fittings: 1A series | 1G series

PART	SIZE DIMENSIONS				PRESSURE				BEND		VACUUM	
#	Hose I.D.		Hose O.D. (nominal)		Working Pressure		Min. Burst Pressure		Min. Bend Radius		Vacuum Service	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
FC619C-12	19.0	0.75	28.6	1.26	21	305	84	1220	19	0.75	94.8	28
FC619C-16	25.4	1.00	35.0	1.38	17	245	68	980	25.4	1.00	94.8	28
FC619C-20	31.8	1.25	41.6	1.63	14	205	56	820	31.8	1.25	94.8	28
FC619C-24	38.1	1.50	49.2	1.94	10.5	150	42	600	38.1	1.25	94.8	28
FC619C-32	50.8	2.00	61.2	2.41	7	100	28	400	50.8	2.00	94.8	28
FC619C-40	63.5	2.50	76.0	3.00	4	60	16	240	63.5	2.50	94.8	28
FC619C-48	76.2	3.00	88.6	3.49	4	60	16	240	76.2	3.00	94.8	28

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