

EATON**Aeroquip****Convoluted PTFE Hose**Qualification with OTC Fittings
Innovation Sheet

Aeroquip FC363 and FC364 (conductive) convoluted PTFE hose styles are now qualified with OTC (Over-the-Cover) fittings in sizes -10 through -24.

Convoluted PTFE hose with OTC fittings are an economical hose assembly alternative since OTC fittings are up to 80% less costly than traditional convoluted hose fittings.

**Features**

- Aeroquip OTC fittings are available in a wider range of end configurations than traditional convoluted fitting styles
- OTC fittings are designed as one-piece fittings
- Convoluted PTFE hose assemblies with OTC fittings are qualified up to 250 psi operating pressure in all sizes (-10 through -24)
- Standard metric crimp jaws can be used to attach OTC fittings onto convoluted PTFE hose
- OTC fittings are available in short lead times since they are on-the-shelf items

Benefits

- The one-piece design of OTC fittings simplifies ordering and reduces fitting inventory
- OTC fittings are 75% to 80% less costly than convoluted carbon steel hose fittings
- No need to purchase multiple dies since assemblies can be made with standard metric crimp jaws

Applications

- Bulk chemical transfer
- Marine
- Oil drain lines on engines

Note:

Aeroquip FC363 and FC364, when coupled with Aeroquip OTC fittings, are not recommended for the conveyance of air or any other kinds of gases.

CRIMP DIAMETERS CROSS REFERENCE

Hose Size	Crimp (+/- 0.006)	Metric Die
-10	.857	M210
-12	1.045	M240
-16	1.291	M320
-20	1.543	M370
-24	1.771	M420



Technical Data

CONVOLUTED PTFE HOSE

PART NUMBER	HOSE SIZE	HOSE I.D.	HOSE O.D.	MAXIMUM OPERATING PRESSURE	MINIMUM BURST PRESSURE	MINIMUM BEND RADIUS	VACUUM SERVICE
		INCHES	INCHES	PSI	PSI	INCHES	MM/HG
FC363	-10	.62	.83	250*	1000	3.00	28
FC363	-12	.81	1.06	250*	1000	3.75	28
FC363	-16	1.00	1.28	250*	1000	5.00	24
FC363	-20	1.24	1.53	250*	1000	6.25	20
FC363	-24	1.52	1.81	250*	1000	7.50	12

CONVOLUTED PTFE HOSE CONDUCTIVE

PART NUMBER	HOSE SIZE	HOSE I.D.	HOSE O.D.	MAXIMUM OPERATING PRESSURE	MINIMUM BURST PRESSURE	MINIMUM BEND RADIUS	VACUUM SERVICE
		INCHES	INCHES	PSI	PSI	INCHES	MM/HG
FC364	-10	.62	.83	250*	1000	3.00	28
FC364	-12	.81	1.06	250*	1000	3.75	28
FC364	-16	1.00	1.27	250*	1000	5.00	24
FC364	-20	1.24	1.53	250*	1000	6.25	20
FC364	-24	1.52	1.81	250*	1000	7.50	12

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 hose by different manufacturers can lead to an unstable connection due to the difference in manufacturing techniques and tolerances. Such connections can fail with the potential for spraying and causing personal injury or property damage.



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