



***SPACE***



Founded in 2004, Aero-Hose, Corp.'s roots are in the space industry. Starting as a key supplier on the space shuttle program to its present day support of a multitude of current rocket platforms, Aero-Hose, Corp. provides various low, medium and high pressure hose assemblies. With its aerospace pedigree, Aero-Hose, Corp.'s products undergo rigorous testing and quality verifications. As a result, Aero-Hose, Corp. is the ideal partner for critical applications like those found in space. Whether for manned or unmanned space flight, when choosing Aero-Hose, Corp., quality, service and performance are never a question.

### R154 (370 SERIES):

R154 (370 series) is a heavy duty 4000psi (276 bar) aerospace hose assembly qualified to AS614. The hose consists of an extruded smoothbore PTFE innercore, reinforced with multiple layers of CRES 304 wire braid. The PTFE innercore is conductive and provides excellent chemical resistance through a temperature range of -65°F to +400°F (-54°C to +204°C) with unlimited shelf life. The rugged 370 Series is especially suited to applications with significant impulsing, and outputs from hydraulic or pneumatic pumps. Standard fittings are CRES, however titanium fittings are also available. Fire protection per AS1055 Class A & B can be either integral or slip-on AS1072 firesleeve. Chafe sleeves are available in a variety of integral or slip-on materials. Hybrid assemblies combining flex hose with multi-bend tube are a Titeflex specialty and provide improved vibration dampening, ease of installation, and maintenance over strictly rigid tube.

#### ENGLISH

HOSE SIZE	OPERATING PRESSURE	HOSE ID (MIN)	HOSE OD (MIN)	HOSE OD (MAX)	BRAIDED HOSE WT/1'	BEND RADIUS (MIN)/2'	PROOF PRESSURE	NEGATIVE PRESSURE	ROOM TEMP BURST (MIN)
	psi	in	in	in	lb/in	in	psi	in HG	psi
4	4,000	0.212	0.45	0.495	0.022	3	8,000	16,000	12,000
6	4,000	0.298	0.555	0.62	0.037	5	8,000	16,000	12,000
8	4,000	0.391	0.72	0.82	0.045	5.75	8,000	16,000	12,000
10	4,000	0.485	0.85	0.95	0.07	6.5	8,000	16,000	12,000
12	4,000	0.602	1.03	1.1	0.105	7.75	8,000	16,000	12,000
16	4,000	0.852	1.21	1.42	0.17	9.625	8,000	16,000	12,000
20	4,000	1.101	1.64	1.68	0.198	12	8,000	16,000	12,000

NOTES /1/ Over minimum 12 inch length /2/ Inside of bend

#### METRIC

HOSE SIZE	OPERATING PRESSURE	HOSE ID (MIN)	HOSE OD (MIN)	HOSE OD (MAX)	BRAIDED HOSE WT/1'	BEND RADIUS (MIN)/2'	PROOF PRESSURE	NEGATIVE PRESSURE	ROOM TEMP BURST (MIN)
	bar	mm	mm	mm	g/m	mm	bar	mm Hg	bar
4	276	5.4	11.4	12.6	393	76.2	552	1 103	827
6	276	7.6	14.1	15.7	661	127	552	2 103	827
8	276	9.9	18.3	20.8	804	146.1	552	3 103	827
10	276	12.3	21.6	24.1	1 250	165.1	552	4 103	827
12	276	15.3	26.2	27.9	1 875	196.9	552	5 103	827
16	276	21.6	30.7	36.1	3 036	244.5	552	6 103	827
20	276	28	41.7	42.7	3 530	305	552	7 103	827

NOTES /1/ Over minimum 305mm length /2/ Inside of bend

**SERIES:** 370

**SPECIFICATION:** SAE AS614

**BRAID:** CRES

**INNERCORE:** PTFE Smoothbore

**QUALIFICATIONS:**

SAE AS614, AS1055

Type IIa & IIb, Class A & B,

Integral and Slip-on Firesleeve



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