



# 480 Series



**R367 (480 SERIES):**

R367 (480 series) is a medium pressure aerospace hose assembly qualified to AS620. It consists of a helically convoluted (tape wrap) PTFE innercore, reinforced with a CRES 304 wire braid. The convoluted innercore enables the 480 Series to bend to a tighter radius, with less force, than smooth bore PTFE hose of similar diameter. Operating pressures range from 1000 PSI (69 Bar) in small diameters, to 250 PSI (17 Bar) in the largest diameter. PTFE provides excellent chemical resistance over a temperature range of -65°F to +400°F (-54°C to +204°C) with an unlimited shelf life. Fire protection per AS1055 Class A & B can be either integral or slip-on AS1072 firesleeve. Qualified standard fittings are CRES. 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.

**SERIES:** 480**SPECIFICATION:** SAE AS620**BRAID:** CRES**INNERCORE:** PTFE Convoluted**QUALIFICATIONS:**

SAE AS20, TSO C53a Type C,  
 TSO C75 Type IIA-S/P,  
 TSO C75 Type IIA-S/P-F,  
 AS1055 Type Ila & Iib, Class A & B,  
 Integral and Slip-on Firesleeve  
 (RM and TF0172)

**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)	HIGH TEMP BURST (MIN)
	psi	in	in	in	lb/in	in	psi	in Hg	psi	psi
6	1,000	0.355	0.523	0.587	0.01	2.25	2,000	28	4,000	2,800
8	1,000	0.51	0.723	0.787	0.018	2.88	2,000	28	4,000	2,800
10	1,000	0.6	0.85	0.882	0.02	3	1,800	28	3,600	2,500
12	1,000	0.765	1.06	1.092	0.027	3.75	1,800	28	3,600	2,500
16	1,000	0.98	1.266	1.33	0.035	5	1,800	23	3,600	2,500
20	1,000	1.22	1.7	1.558	0.04	6.25	1,800	18	3,600	2,500
24	750	1.48	1.758	1.822	0.05	7.5	1,500	12	3,000	2,100
32*	250	1.985	2.285	2.845	0.09	10	500	5	1,000	700

**NOTES** /1/ Over minimum 12 inch length /2/ Inside of bend \*Size 32 only available in 410 Series

**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)	HIGH TEMP BURST (MIN)
	bar	mm	mm	mm	g/m	mm	bar	mm Hg	bar	bar
6	69	6	13.3	14.9	179	57.2	138	711	276	193
8	69	13	18.4	20	321	73.2	138	711	276	193
10	69	15.2	21.6	22	357	76.2	124	711	248	172
12	69	19.4	26.9	27	482	95.3	124	711	248	172
16	69	24.9	32.2	33.8	625	127	124	584	248	172
20	69	31	43.2	43	714	158.8	124	457	248	172
24	52	37.6	44.7	46.3	893	190.5	103	305	207	145
32*	17	50.4	58	72.3	1 607	254	34	127	69	48

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



1845 Town Center Blvd. #140, Orange Park, FL 32003  
 (904) 215 -9638 www.aero-hose.com

