

Working Pressure - Hose Ends

The maximum dynamic working pressure of a hose assembly is the lesser of the rated working pressure of the hose and the end connection used.

Max Working Pressure (PSI)

HOSE END CONNECTION	CODE LETTER OR NUMBER	HOSE END SIZE									
		-04	-05	-06	-08	-10	-12	-16	-20	-24	-32
Male Pipe (NPTF)	100	5000		4000	4000		4000	4000	3000	2500	2500
Female Pipe (NPTF)	050, 200, 250	5000		4000	4000		2250	2000	1625		
37° JIC seat	C60, 500, 550, 600, 640, 660, 680	5000	5000	4000	4000	4000	4000	4000	3000	3000	3000
SAE Flareless	750	5000	5000	4000	3500	2750	2250	2000	1625		
Ready-Lok®*	00S	5000		4000	4000		4000	4000	3000	2500	
FOR-SEAL®	A20, A60, E60, J30, L60, S60	6000		6000	6000	6000	6000	6000	4000	4000	
SAE Straight Thread O-Ring Male	P00, R00, R60	5000	5000	5000	4500	4000	4000	4000	3000		
SAE Flange Code 61	G00, G40, G70, H00, H20, H50, H60, H70, H80, H90, K00, K60				5000	3000	5000	5000	4000	3000	3000
SAE Flange Code 62	D00, D40, D60, N20, N50						5000	5000	5000	5000	5000
THICK-FLANGE Code 62	K00, K40, K70						5000	5000	5000	5000	5000

*Rated pressures are for low surge, static type applications. O-Ring Face Seal (ORFS) Style Fitting.

Metric Pressure Rating Charts

Max Working Pressure (PSI)

HOSE END CONNECTION	CODE LETTER OR NUMBER	HOSE END SIZE									
		-04	-05	-06	-08	-10	-12	-16	-20	-24	-32
Male British Pipe (BSP)	150	5000		4000	4000	3500	4000	3500	2500	2000	2000
Female British Pipe (BSP)	05P, 70P, 350	5000		4000	4000	3500	4000	3500	2500	2000	2000
Female Pipe (JIS) 00L		5000		5000	5000		4000	4000			

Maximum Working Pressure (PSI)

HOSE END CONNECTION	CODE LETTER OR NUMBER	HOSE END SIZE									
		-06	-08	-10	-12	-15	-18	-22	-28	-35	-42
Din Light	00A, 00C, 00D, 50D	3625	3625	3625	3625	3625	2325	2325	1450	1450	1450

Temperature vs. Pressure Table for Reinforced PVC Hose

TEMPERATURE		ALLOWABLE % OF ORIGINAL WORK. PRESSURE		TEMPERATURE		ALLOWABLE % OF ORIGINAL WORK. PRESSURE	
°C	°F	2-Spiral	4-Spiral	°C	°F	2-Spiral	4-Spiral
20	68	100%	100%	50	120	40%	53%
25	77	86%	90%	55	131	33%	47%
30	86	75%	81%	60	140	27%	43%
35	95	65%	73%	65	149	23%	40%
40	104	56%	66%	70	158	20%	38%
45	113	47%	59%	75	167	17%	37%
				80	176	15%	35%

Note: For additional information on a specific hose, refer to the hose description on pages 31-66.