

# Parker 944B/955B High PSI hose

PTFE Hose handling pressures  
up to 5,500 psi



Operating requirements for hose assemblies designed seem to get more and more demanding each year and higher working pressures, while maintaining peak flow rates, are included in that observation. Parker 944B/955B high pressure hose assemblies answer that challenge, delivering quality performance under very demanding circumstances.

Parker 944B/955B hydraulic hoses have a heavy wall of PTFE that has excellent compatibility with a variety of media. This PTFE hose has a dissipating liner that provides a path of continuity to the end fittings for applications where flow induced electrostatic charges could occur and potentially damage the hose assembly. The resilient PTFE tube is reinforced with braided SS 304 wire. Braiding, as opposed to spiraling, allows for better flexibility and a tighter bend radius in the finished hose while maintaining high continuous working pressures.



The stainless steel wire braid minimizes volumetric expansion in hydraulic service.

## Contact Information:

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## Product Features:

- Up to 5,500 psi for non-impulse applications
- Static dissipating liner
- Excellent compatibility with a variety of media
- Chemically inert
- Up to 6 layers of reinforcement
- Better flexibility than spiral hose
- Tighter bend radius than spiral hose



**ENGINEERING YOUR SUCCESS.**

# High Pressure PTFE Hydraulic Hose 944B (up to 4,500 psi) 955B (5,000 psi)



Both products available in assemblies with carbon or stainless steel female JIC fittings

## Features

- Excellent chemical compatibility
- Resists moisture
- Low friction minimizes pressure drops and deposits

### Series 944B

[Visit the webpage](#)

Part Number	Nominal I.D.		Maximum O.D.		Max. Working Pressure 73°F/ 23°C		Minimum Bend Radius		Vacuum Rating Hg/73F	Weight	
	inch	mm	inch	mm	psi	MPa	inch	mm		lbs/ft	kg/mtr
944B-6	1/4	8	0.49	12.5	4500	31	2-1/2	63.5	28	0.17	0.24
944B-8	3/8	10.4	0.62	15.6	4500	31	2-7/8	73.2	28	0.25	0.35
944B-10	1/2	12.5	0.73	18.5	4000	28	3-1/4	82.6	28	0.31	0.45
944B-12	5/8	16	0.99	25.1	4000	28	4	101.6	28	0.74	1.05
944B-16	3/4	22	1.25	31.8	4000	28	5	127.0	28	1.09	1.55

### Series 955B

[Visit the webpage](#)

Part Number	Nominal I.D.		Maximum O.D.		Max. Working Pressure 73°F/ 23°C		Minimum Bend Radius		Vacuum Rating Hg/73F	Weight	
	inch	mm	inch	mm	psi	MPa	inch	mm		lbs/ft	kg/mtr
955B-4	15/64	6	0.50	12.7	5500	37.90	3	76	28	0.23	0.34
955B-6	5/16	8	0.62	15.7	5500	37.90	5	127	28	0.24	0.35
955B-8	7/16	11.1	0.75	19.1	5500	37.90	5-3/4	146	28	0.46	0.68
955B-10	1/2	12.7	0.91	23.1	5500	37.90	6-1/2	165	28	0.91	1.34
955B-12	5/8	16	1.08	27.4	5500	37.90	7-3/4	197	28	0.92	1.36
955B-16	29/32	23	1.36	34.5	5500	38	9-5/8	245	28	1.20	1.77

## Construction

- Tube: Black Static-Dissipative PTFE
- Reinforcement: Multiple high density braids of 304 Stainless Steel

## Operating Parameters

- Temperature Range:  
-65°F (-54°C) to 400°F (204°C)
- Change in length at Max. Working Pressure: +/-2%
- Min. Burst Pressure is 3x Max. Working Pressure at 73F (23C)

## Fittings

- 94 Series (944B) 95 Series (955B)
- For most Parker products, Crimp Die Selection charts are found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Notes

- Factory made assemblies only
- Reduce pressure to 3000 psi (20.7 MPa) for pressure impulse applications

