

# Size

## Hose Flow Capacities Pressure Drop

Hose  
**A**

Fittings  
**B**

Equipment  
**C**

Accessories  
**D**

Hose Dash Size	-04		-05		-06		-08		-10		-12		-16		-20		-24		-32		-40		-48			
Hose I.D. (Inches)	0.19	0.25	0.25	0.31	0.31	0.38	0.41	0.50	0.50	0.63	0.63	0.75	0.88	1.00	1.13	1.25	1.38	1.50	1.81	2.00	2.38	3.00				
0.25	10.0	3.1	3.1																							
0.5	19.0	6.0	6.0	2.7	2.7																					
1	40.0	12.0	12.0	5.5	5.5	2.4																				
2	95.0	24.0	24.0	10.0	10.0	4.8	3.5																			
3	185.0	46.0	46.0	17.0	17.0	7.0	5.0	2.2	2.2																	
4		78.0	78.0	29.0	29.0	12.0	8.0	3.0	3.0	1.2	1.2															
5		120.0	120.0	44.0	44.0	18.0	12.0	4.5	4.5	1.6	1.6	0.7														
8				95.0	95.0	39.0	26.0	10.0	10.0	3.6	3.6	1.4	0.6													
10						59.0	40.0	15.0	15.0	5.7	5.7	2.0	1.0	0.6												
12						80.0	52.0	20.0	20.0	7.2	7.2	2.6	1.5	0.8	0.4											
15							75.0	30.0	30.0	10.0	10.0	4.2	2.2	1.2	0.7	0.4										
18							107.0	40.0	40.0	15.0	15.0	6.3	3.0	1.5	0.7	0.6	0.4									
20								49.0	49.0	19.0	19.0	8.0	3.4	2.0	1.1	0.7	0.4	0.3								
25								72.0	72.0	26.0	26.0	11.0	5.5	3.0	1.6	1.0	0.6	0.4	0.2							
30										34.0	34.0	14.0	7.0	3.6	2.2	1.3	0.8	0.5	0.2	0.1						
35										47.0	47.0	19.0	9.5	5.0	2.8	1.7	1.1	0.7	0.3	0.2						
40												25.0	12.0	6.5	3.4	2.2	1.4	0.9	0.4	0.2						
50												36.0	17.0	9.0	5.3	3.3	2.0	1.3	0.5	0.4	0.2					
60												50.0	23.0	12.0	7.5	4.4	2.8	1.8	0.8	0.5	0.2					
70													31.0	17.0	9.3	6.0	3.8	2.4	1.0	0.7	0.3					
80													38.0	21.0	12.0	7.1	4.6	3.0	1.2	0.8	0.3	0.1				
90													49.0	27.0	15.0	9.0	5.9	3.8	1.5	1.0	0.5	0.1				
100														33.0	19.0	12.0	7.0	4.7	1.9	1.3	0.6	0.2				
150														60.0	36.0	22.0	13.0	8.5	3.4	2.2	1.0	0.3				
200																36.0	23.0	15.0	6.0	3.9	1.7	0.6				
250																54.0	33.0	22.0	8.5	5.3	2.5	0.8				
300																	45.0	29.0	12.0	7.5	4.0	1.1				
400																		51.0	21.0	14.0	6.5	2.2				
500																			32.0	20.0	10.0	3.0				
800																						18.0	5.0			
1000																									10.0	

Pressure drop in psi (pounds per square inch) per 10 feet of hose (smooth bore) without fittings.

Fluid specification: Specific gravity = 0.85; Viscosity =  $\nu$  = 20 centistokes (C.S.), (20 C.S. = 97 S.S.U.)

Pressure drop values listed are typical of many petroleum based hydraulic oils at approximately +100°F (+38°C). Differences in fluids, fluid temperature and viscosity can increase or decrease actual pressure drop compared to the values listed.

Technical  
**E**