

Enerpac System Components

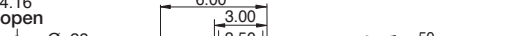


Contents	Model Number	High viscosity index ensures maximum lubricity over a wide range of operation temperatures.
1 Quart	HF-100	
1 Gallon	HF-101	
5 Gallons*	HF-102	
55 Gallons	HF-104	
1 Gallon**	LX-101	

** Hand pump oil.

- **Specially formulated for hand pumps**
 - anti-sludge, anti-rust additives
- **Reduced handle effort over HF blue oil**
 - good low temperature performance
- **Not for use in power pumps**

	HF Oil	LX Oil
ISO Viscosity Grade	32	15
API Gravity, ASTM D1298	32	34
Viscosity, ASTM D445		
SUS @ 212°F	43.7	38
SUS @ 104°F	151	77.5
Viscosity Index, ASTM D2270	95	100
Pour Point, °F, ASTM D97	-36.5	-47.5
Flash Point, °F, ASTM D92	375	370
Color	Blue	Yellow



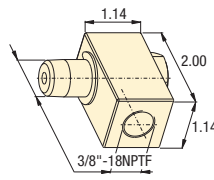
Technical drawing of the 1000 Series 1/2" valve. The drawing shows the valve in both open and closed positions. Key dimensions include: 4.16 open, 3.88, 1.63, 6.00, 3.00, 2.50, 1.00, 1.50, 11.00, 12.00, 3.00, 0.50, 1.63, 0.50, and 0.50. The valve has a 1/2" NPTF port and a 3/8" NPTF port. The drawing is labeled "All ports 3/8"-18 NPTF".

Hydraulic Oil, Manifolds and Fittings



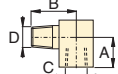
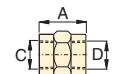
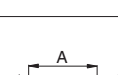
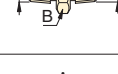
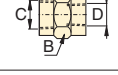
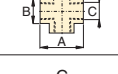
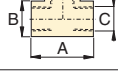
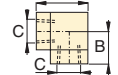
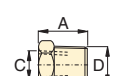
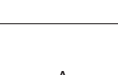
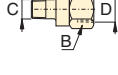
3/8" Swivel Connector

360° swivel coupler for optimal orientation of the hydraulic connection on cylinders, pumps and hoses. Order Model No. **XSC-1**.



**A, AM
FZ,
BFZ,
HF, LX
Series**



10,000 psi Fittings		Model Number	Dimensions (in)		Series			
			A	B	C	D		
Street Elbow			FZ-1616	.94	1.30	3/8"-18 NPTF	3/8"-18 NPTF	
From: 3/8"-NPTF Male	To: 3/8"-NPTF Female							
Reducing Connector			FZ-1615	1.13	1.00	3/8"-18 NPTF	1/4"-18 NPTF	
From: 3/8"-NPTF Female	To: 1/4"-NPTF Female							
From: 1/2"-NPTF Female	To: 3/8"-NPTF Female							
Hexagon Nipple			FZ-1608	1.50	.63	1/4"-18 NPTF	1/4"-18 NPTF	
From: 1/4"-NPTF	To: 1/4"-NPTF							
3/8"-NPTF	3/8"-NPTF							
3/8"-NPTF	3/8"-NPTF							
Coupling			FZ-1614	1.14	1.00	3/8"-18 NPTF	3/8"-18 NPTF	
From: 3/8"-NPTF	To: 3/8"-NPTF							
1/4"-NPTF	1/4"-NPTF							
Cross			FZ-1613	1.77	1.00	3/8"-18 NPTF	-	
From: 3/8"-NPTF Female	To: 3/8"-NPTF Female							
Street Tee			FZ-1612	1.77	1.00	3/8"-18 NPTF	-	
From: 3/8"-NPTF	To: 3/8"-NPTF							
1/4"-NPTF	1/4"-NPTF							
Street Tee			BFZ-16312	2.20	1.02	3/8"-18 NPTF	3/8"-18 NPTF	
From: 3/8"-NPTF Female	To: 3/8"-NPTF Male							
Elbow			FZ-1610	1.38	.88	3/8"-18 NPTF	-	
From: 3/8"-NPTF	To: 3/8"-NPTF							
1/4"-NPTF	1/4"-NPTF							
Reducer			FZ-1630	.75	.75	1/4"-18 NPTF	3/8"-18 NPTF	
From: 3/8"- NPTF	To: 1/4"-NPTF							
1/4"- NPTF	1/2"-NPTF							
3/8"- NPTF	G1/4"							
Adaptor			BFZ-16411	1.37	.75	1/4"-18 NPTF	G1/4"	
From: G1/4"	To: 1/4"-NPTF							
G1/4"	1/8"-NPTF							
G3/8"	1/4"-NPTF							
G3/8"	3/8"-NPTF							
Adaptor			FZ-1055	1.75	.94	1/4"-18 NPTF	3/8"-18 NPTF	
From: 1/4"-18 NPTF	To: 3/8"-18 NPTF							
1/2"-14 NPTF	1/4"-18 NPTF							
1/2"-14 NPTF	3/8"-18 NPTF							
1/2"-14 NPTF	3/8"-18 NPTF							
Swivel Fitting			FZ-1660	1.59	.88	3/8"-18 NPTF	3/8"-18 NPTF	
From: 3/8"-NPTF Male	To: 3/8"-NPTF Female							