Hydraulic Oil, Manifolds and Fittings



▼ Shown top to bottom: HF-101, A-65, A-64, FZ-1055, A-66, FZ-1634, FZ-1625, FZ-1608



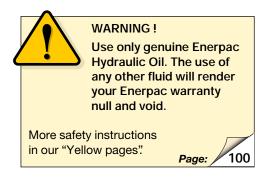
Hydraulic Oil

Contents	Model Number
One Quart	HF-100
One Gallon	HF-101
Five Gallons*	HF-102
Fifty-Five Gallons	HF-104

^{*} Packed in two 21/2 gallon cans.

- Maximum pump volumetric efficiency
- · Maximum internal heat transfer
- Prevents pump cavitation
- Additives prevent rust, oxidation and sludge
- High viscosity index
- Maximum film protective lubricity

Genuine Enerpac System Components



▼ Oil Specifications chart

Viscosity Index	100 min
Viscosity at 210°F	42/45 S.U.S.
Viscosity at 100°F	150/165 S.U.S.
Viscosity at 0°F	<12,000 S.U.S.
API Gravity	31.0/33.0
Flash, C.O.C.°F	400
Pour Point, °F	-25
Aniline Point, °F	210/220
Paraffinic Base Color	Blue

Manifolds

111		Model Number	Dimensions (in)		
7" Long Manifold with 7 female ports.	5	A-64	3/8"-18NPTF (7x) 3.0 2.0 3/8"-18NPTF (7x) 8.0 3.25 2.5 7.25 7.25		
14" Long Manifold that allows direct mounting of control valves to the manifold. 7 female ports.	0000	A-65	1.25		
6-Port Hexagon Manifold. Plugs furnished for all ports 3/8"-18 NPTF.		A-66	2.3 2.0 2.3 3/8"-18NPTF (6X)		
Premounted Manifold Functions as split-flow valve to control two single-acting cylinders simultaneously. All ports 3/8"-18 NPTF.		AM-2	3.66 2.76 2.76 3/8"-18NPTF (3x)		

Hydraulic Oil, Manifolds and Fittings

Recommended Tubing for Hand Plumbing Applications

Enerpac does not supply high-pressure pipe or tubing, but recommends the use of cold drawn steel tubing instead of regular pipe in the following dimensions:

In place of .25" pipe, use .53" O.D. x 11 ga. (0.12") wall. In place of .38" pipe, use .38" Schedule 80 seamless pipe. In place of .50" pipe, use .84" O.D. x 0.16" wall.

This tubing can be threaded with standard pipe threading dies.

A,AM FZ,HF **Series**

Maximum Operating Pressure: 10,000 psi

Fittings

Description		Model Number		Dimensions (in)			
		Number	А	В	С	D	
Street Elbow From: 3/8"-NPTF Male To: 3/8"-NPTF Female		FZ-1616	.94	1.30	3/8"-18 NPTF	3/8"-18 NPTF	D B A
Reducing Connector From: 3/8"-NPTF Female To: 1/4"-NPTF Female	(17)	FZ-1615	1.13	1.00	3/8"-18 NPTF	1/4"-18 NPTF	C
From: 1/2"-NPTF Female To: 3/8"-NPTF Female	No.	FZ-1625	1.88	1.14	¹ /2"-18 NPTF	3/8"-18 NPTF	B/
Hex Nipple From: 1/4"-NPTF Male To: 1/4"-NPTF Male	56	FZ-1608	1.50	.63	¹ /4"-18 NPTF	1/4"-18 NPTF	A
From: 3/8"-NPTF Male To: 3/8"-NPTF Male		FZ-1617	1.47	.75	3/8"-18 NPTF	3/8"-18 NPTF	B
Coupling From: 3/8"-NPTF Female To: 3/8"-NPTF Female	10	FZ-1614	1.13	1.00	3/8"-18 NPTF	³ /8"-18 NPTF	C D
Cross From: 3/8"-NPTF Female To: 3/8"-NPTF Female		FZ-1613	1.77	1.00	3/8"-18 NPTF	-	B C
Tee From: 3/8"-NPTF Female To: 3/8"-NPTF Female		FZ-1612	1.77	1.00	³ /8"-18 NPTF	-	B C
From: 3/8"-NPTF Female To: 3/8"-NPTF Female		FZ-1610	1.38	.88	3/8"-18 NPTF	-	C B B
Bushing From: 3/8"-NPTF Male To: 1/4"-NPTF Female		FZ-1630	.75	.75	1/4"-18 NPTF	3/8"-18 NPTF	C D
Swivel Fitting From: 3/8"-NPTF Male To: 3/8"-NPTF Female		FZ-1660	1.56	.88	3/8"-18 NPTF	³ /8"-18 NPTF	C B
Adaptor Female Male 3/8"-18 NPTF 1/4"-18 NPTF 1/2"-14 NPTF 1/4"-18 NPTF 1/2"-14 NPTF 3/8"-18 NPTF		FZ-1055 FZ-1633 FZ-1634	1.75 1.69 1.69	.94 1.13 1.13	1/4"-18 NPTF 1/4"-18 NPTF 3/8"-18 NPTF	3/8"-18 NPTF 1/2"-14 NPTF 1/2"-14 NPTF	