

ABSTRACT

In order to preserve the mechanical seals on a HOMA pump, it is important to fill the oil chamber with the correct volume of oil to ensure proper cooling and lubrication. The volume of oil can change depending on your specific pump model, so consult the tables below to find the correct amount for your pump. HOMA recommends filling with White Mineral Oil such as Chevron Lubricating Oil FM 32, 46, or 68.

GRP Series

Model	Oil Volume	
	fl oz	L
GRP16	14	0.4
GRP10-41	24	0.7
GRP44-50	33	1
GRP59-118 ¹	68	1.8

¹ For dry pit GRP models, consult the T Motor or ET Motor volume

A Series

Motor Frame	Oil Volume	
	fl oz	L
T Motor	68	1.8
ET Motor	35	1.1
P Motor	96	3.0
F-0 and F-1 Motor ²	160	4.8
F-2 and F-3 Motor ²	310	9.3
G Motor and Larger	Consult Factory	

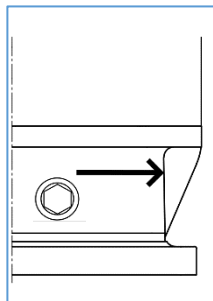


Fig. 1

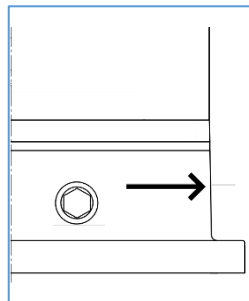


Fig. 2

TP Series

Series	Model	Oil Volume	
		fl oz	L
TP30	16/2 & 24/2	10	0.3
TP49	16/2 & 24/2	10	0.3
TP50/53	16/2 & 24/2	10	0.3
	23/4, 24/4, 35/4, 38/2, & 54/2	30	0.8
	80/2	35	1.1
TP70	20/4	20	0.6

² For F Motor pumps, there are different oil volumes based on different configurations. It is important to verify which of the two configurations you have.

Check the "Motor" line on the pump nameplate, and there should be an F-0,1, 2, or 3 in the motor model name. If the nameplate does not have the configuration listed, there are two ways you can determine the oil quantity.

1: On F-0 and F-1 configurations, the oil chamber will have an inward chamfer in the casting (Fig. 1). On F-2 and F-3 configurations, the oil chamber will be straight (Fig. 2)

2: Fill the oil chamber with 160 fl oz, and check the level with a dipstick. If the level is more than roughly 2.5 inches from the bottom of the fill port, add an additional 150 fl oz.

WARNING: Overfilling the oil chamber will lead to over pressurizing during operation, which will blow out the mechanical seals. DO NOT OVERFILL