

SPECIFICATIONS



Flow Rates *

- 0.03-0.67 gal/min (1.8-40/gph)*

*Actual flow rates depend on filter selection, psi, viscosity and temperature of the oil
(Flow rates for Depth filters will be on the lower end of the range)
Measured at 40° C, 50% approximate pump speed

Gear Oil Specs

- Typically up to ISO 220 **
- Synthetic Oil recommend for Heavier oils
- Service Sump Size typically 0-10 Gals

Oils that have a viscosity grade of **ISO 150 or higher are recommended to have a
Viscosity Index (VI) of 125 or greater

Hydraulic oil Specs

- Typically AW 32, 46, 68, 100, 150
- Service Reservoir Typically Up to 100 Gals depending on flow rate

Pump/Motor

- Magnet Drive Gear Pump
- 24 VDC Supply Voltage
- Brushless Motor Assy
- Rated 3A, 50 Watt
- Speed Range from 150 to 3650 rpm

Operating Conditions

- Storage Temperate Range -40° to 70° C
- Operating Ambient Temperature Range 0°-70° C (32°-158° F)
- Max Fluid Temperature 120° C
- IP Rating: IP55
- Relative Humidity 8 to 90% (non condensing)
- Thermal motor protection shutdown temp 90° +/- 4° C (194° F)

Power

- Power Supply Standard 120v wall power with 24v adapter
- Amp draw 1.9-2.9, max 3-3.4 amps

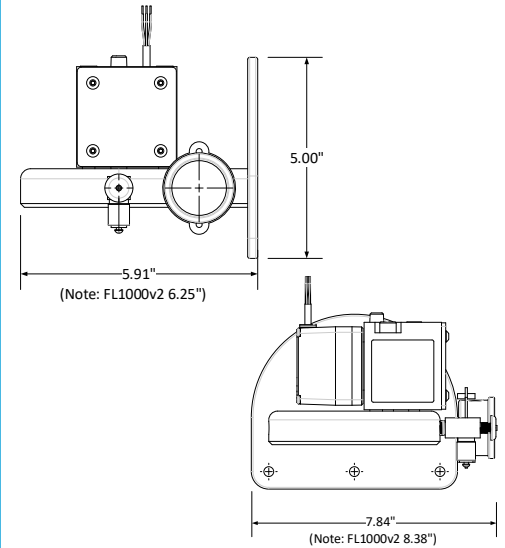
Dimensions (with Standard Pump, without filter)

Wall/Equipment Mounted	With Hand Carry Stand
W 8.38"	W 8.38"
H 5.00"	H 17.97"
D 6.25"	D 14"

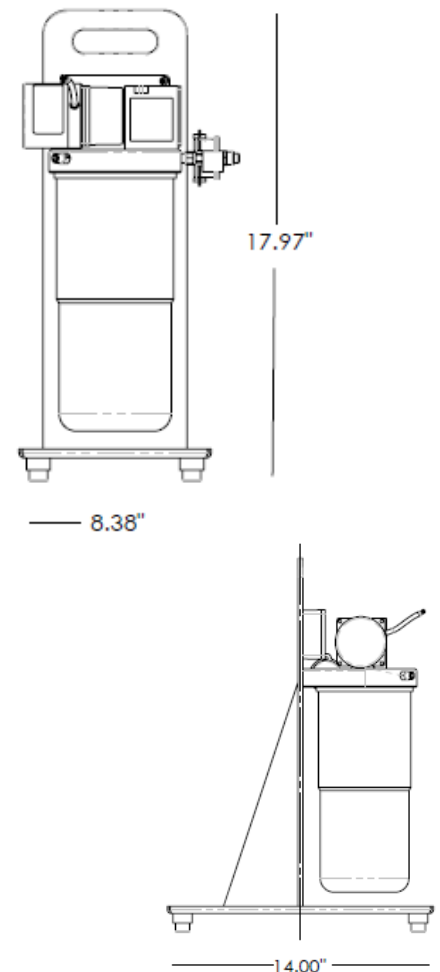
Weight (without Filter and fluid)

Wall/Equipment Mounted	With Hand Carry Stand
8.2 lbs.	13.4 lbs.

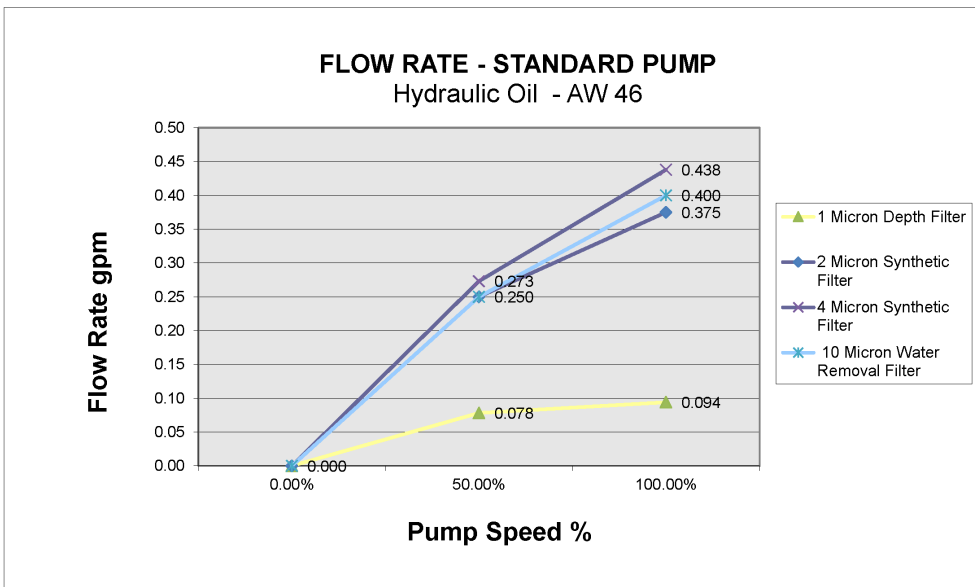
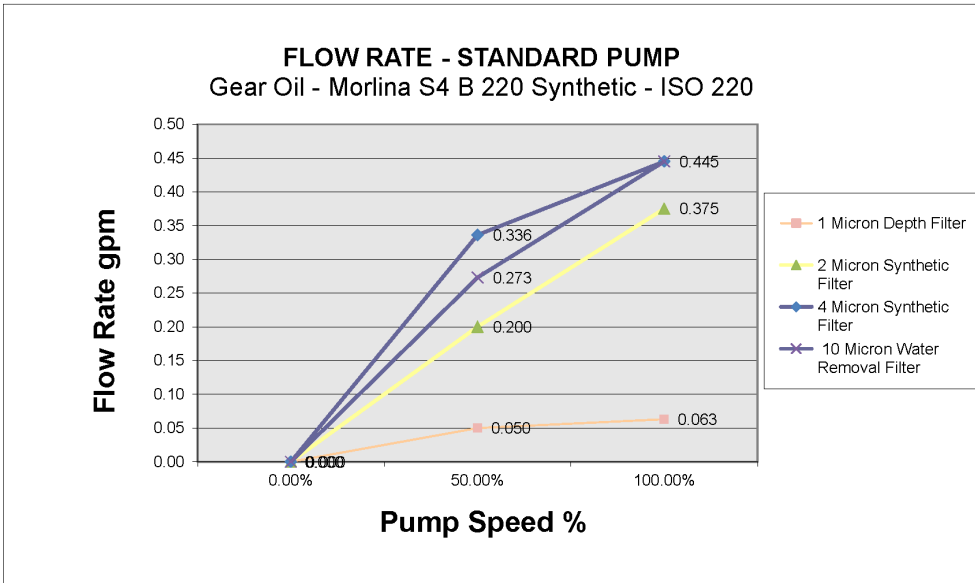
Dimensions—Wall Mount



Dimensions—Hand-Carry Stand



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Flow Rates

*Flow rates **0.03-0.67 gpm (1.8-40 gph)**. Actual flow rates depend on oil selection, filter selection, psi, oil viscosity, temperature of the oil and cleanliness of the filter.

Flow rates for Depth filters will be on the lower end of the range)

* Measured at 40°C, 50% approximate pump speed

Gear oil Specs

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- Synthetic Oil recommend for Heavier oils.
- Service Sump Size
Typically 0-10 Gals.

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Hydraulic oil Specs

- Typically AW 32, 46, 68, 100, 150
- Service Reservoir Typically
Up to 100 Gals



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FILTER/FLOW RATE TESTING INFORMATION

FILTER	TYPE	DIM.	MEDIA	EFFICIENCY	GEAR OIL ¹	HYDRAULIC	RESERVOIR/ SUMP SIZE GALS
					FLOW RATE	OIL ²	
2 Micron Dirt Removal Filter	1.5 qt-Med, Spin-on, dirt removal	H 7.5"	Synthetic	Absolute efficiency of 98.7 percent at 2 Microns	0.20/gpm	0.25-0.28/gpm	Hydraulic 0-100
P/N FLA-2MICRON		W 4.25"			(12/gph) ³	(15-16.8/gph) ³	Gear oil 0-10
4 Micron Dirt Removal Filter	Large Capacity, Spin-on, dirt removal	H 10.66"	Synthetic	4 Micron Efficiency Beta 1000	0.34/gpm	0.19--0.30/gpm	Hydraulic 0-50
P/N FLD-4MICRON		W 5.08"			(20/gph) ³	(11.4-18/gph) ³	Gear oil 0-10
10 Micron Filter with Water Removal Capacity	Large Capacity, Spin-on, 300ml water removal capacity	H 10.66"	Synthetic	10 Micron Efficiency	0.27/gpm	0.25/gpm	Hydraulic 0-50
P/N FLD-10MICRON-W		W 5.04"		Beta2, Water Absorbent	(16.4/ gph) ³	(15/gph) ³	Gear oil 0-10
1 Micron Depth Filter	2.0 qt, Spin-on, Depth Filter - particulate & water removal	H 10.25"	Depth	1 Micron	0.063/gpm	0.03-0.05/gpm	Hydraulic 0-25
P/N FLH-1MICRON-DFL		W 4.32"		Beta3 =250	(3.75 gph) ³	(1.80-3.0/gph) ³	Gear oil 0-10
OTHER FILTERS	Provided by customer						
Customers own spin-on filter of choice up to 5 in. in diameter	Optional filter adapters are available for other brands of filters						

Actual flow rates depend on oil selection, filter selection, psi, viscosity and temperature of the oil (Flow rates for Depth filters will be on the lower end of the range)

¹ Shell Morlina S4 B 220—ISO 220

² AW 46

³ Measured at 40°C, 50% approximate pump speed