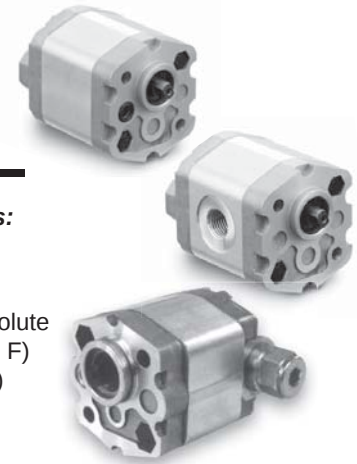




FLUID COMPONENTS, INC.

Hydraulic Gear Pump Model GP-F0

Available by Special Order Only



Model GP-F0 is an all aluminium construction, high pressure mini hydraulic gear pump with 12 displacement sizes from 0.009 - 0.120 in³/rev. (0.16 - 2.00 cm³/rev). The standard mounting flange is as detailed on the installation drawing and porting is any combination of rear, front or side as defined in the Ordering Example.

Recommended working conditions:

FILTRATION: 25 micron or better
OIL VISCOSITY: 7 - 700 cSt
INLET PRESSURE: 12 - 32 psi absolute
OIL TEMP: -25° - 80° C (-12° - 175° F)
AMBIENT -22° - 55° C (-8° - 130° F)

Technical Specifications

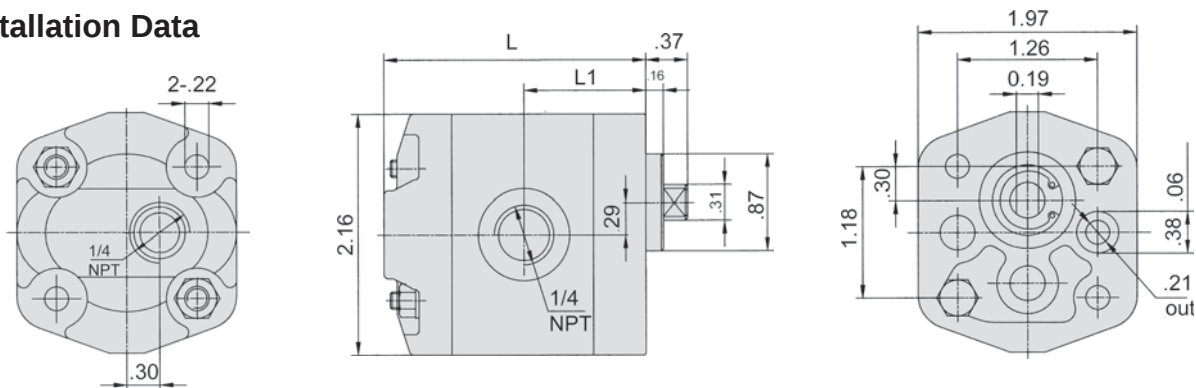
Model	Displacement	Pressure		Speed rpm		Weight
	in ³ (cm ³) / rev	Rated	Max	Rated	Max	
GP-F0-016	0.009 (0.16)	2750	3335	2000	7000	0.82
GP-F0-025	0.015 (0.25)	2750	3335	2000	7000	0.84
GP-F0-038	0.023 (0.38)	2750	3335	2000	7000	0.85
GP-F0-050	0.030 (0.50)	2750	3335	2000	7000	0.87
GP-F0-070*	0.043 (0.70)	2750	3335	2000	7000	0.90
GP-F0-075	0.045 (0.75)	2750	3335	2000	7000	0.91

Model	Displacement	Pressure		Speed rpm		Weight
	in ³ (cm ³) / rev	Rated	Max	Rated	Max	
GP-F0-084*	0.051 (0.84)	2750	3335	2000	6000	0.91
GP-F0-100	0.060 (1.00)	2750	3335	2000	6000	0.92
GP-F0-125	0.080 (1.25)	2750	3335	2000	5000	1.00
GP-F0-150	0.090 (1.50)	2750	3335	2000	4000	1.04
GP-F0-175	0.110 (1.75)	2750	3335	2000	4000	1.08
GP-F0-200	0.120 (2.00)	2750	3335	2000	3500	1.13

Flow Rate (gpm) = Displacement (in³/rev) X Speed (rpm) / 231

Volumetric efficiency % ≥93

Installation Data



Model	L	L1
GP-F0-016	2.40"	1.20"
GP-F0-025	2.44"	1.22"
GP-F0-038	2.46"	1.23"
GP-F0-050	2.48"	1.23"

Model	L	L1
GP-F0-070	2.56"	1.28"
GP-F0-075	2.59"	1.30"
GP-F0-084	2.63"	1.31"
GP-F0-100	2.67"	1.34"

Model	L	L1
GP-F0-125	2.79"	1.40"
GP-F0-150	2.87"	1.44"
GP-F0-175	2.95"	1.48"
GP-F0-200	3.03"	1.51"

Ordering Example:

Category **GP** - Series **F0** - Displacement **016** - Drive Shaft **T** - Rotation **C** - Options

Category	Series	Displacement (cm ³ /rev)	Drive Shaft	Rotation	Options
Gear Pump	F0 Series	016/025/038/050/ 070/075/084/100/ 125/150/175/200	T = Flat Tang	C = Clockwise A = Counter-Clockwise (viewed from shaft end)	Omit = Standard (front & back) 1 = 1/4" NPT Side Ports 3 = Free running (reduced efficiency)