

# 31F SEALED 31F-MC MAG-DRIVE



**3 - SERIES  
ROTOGEAR®  
GEAR PUMP**

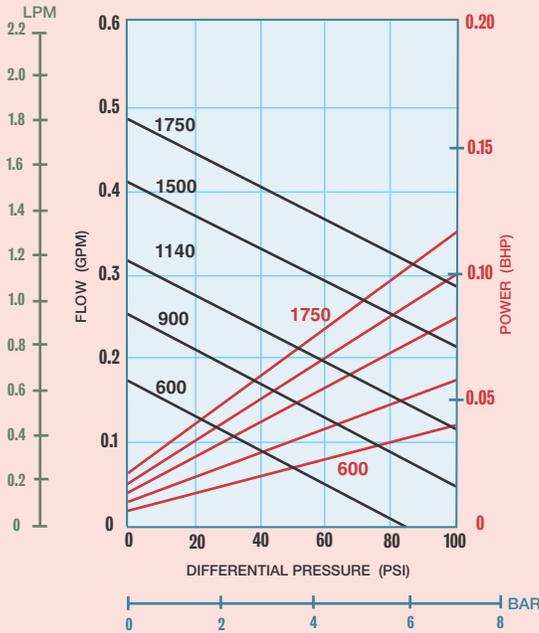


Sealed

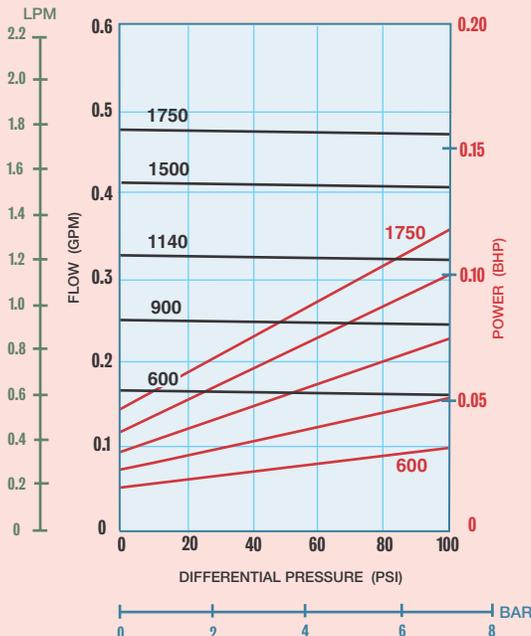
Close Coupled:  
Sealed or Mag-Drive

## PERFORMANCE CURVES

1 CPS Fluid (Water)



100 CPS Fluid (Oil)

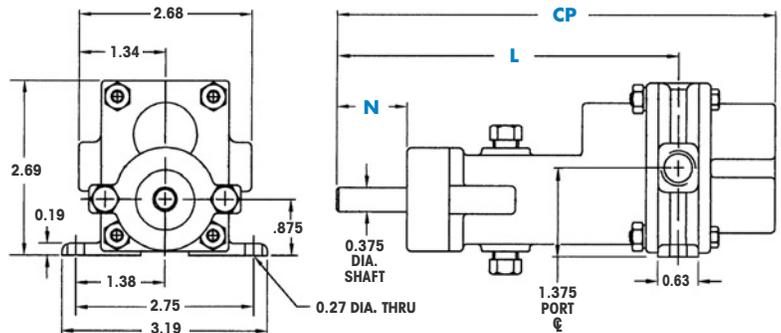


<b>PORT SIZE</b>	<b>1/4" NPT/BSPT or 1/2" FLG</b>
<b>MAX FLOW</b>	<b>0.5 GPM; 1.9 LPM</b>
<b>MAX DIFFERENTIAL PRESSURE</b>	<b>100 PSI; 7 BAR</b>
<b>MAX DISCHARGE PRESSURE</b>	<b>300 PSI; 20.7 BAR</b>
<b>MAX TEMPERATURE</b>	<b>500°F; 260°C</b>
<b>MIN TEMPERATURE</b>	<b>-40°F; -40°C</b>
<b>MAX VISCOSITY</b>	<b>100,000* CPS</b>
<b>NPSHR @ 1750 RPM</b>	<b>3 FT; 0.9 M</b>
<b>LIFT (DRY)</b>	<b>0.5 FT; 0.15 M</b>
<b>WEIGHT (without motor)</b>	
<b>SEALED</b>	<b>2.5 LBS; 1.1 KGS</b>
<b>MAG-DRIVE</b>	<b>31 LBS; 14 KGS</b>

\* Higher viscosities possible. Contact factory.

Dimensional Data (inches)

Long-Coupled: 31F Sealed

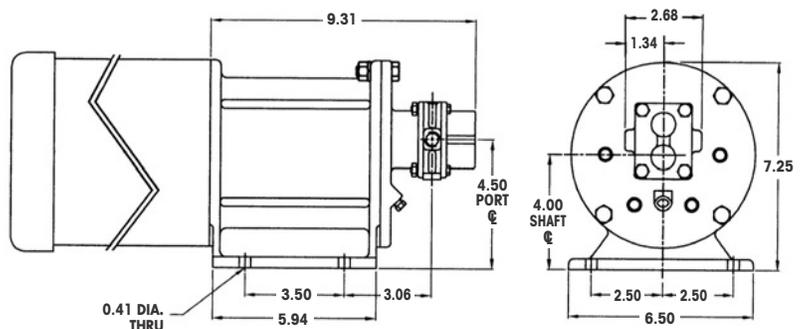


DIMENSION	SEAL CONFIGURATIONS		
	PACKING SINGLE MECHANICAL SEAL DOUBLE MECHANICAL SEAL	EXTERNAL MECHANICAL SEAL	LIP SEAL
<b>CP(1)</b>	<b>6.94</b>	<b>7.66</b>	<b>6.94</b>
<b>N</b>	<b>0.81(2)</b>	<b>1.03</b>	<b>0.81</b>
<b>L</b>	<b>5.44</b>	<b>6.16</b>	<b>5.44</b>

NOTES: (1) Add .312 inches for Bearing Flush Plug.  
(2) Minimum dimension.

Dimensional Data (inches)

Close-Coupled: 31F-MC & 31F Sealed





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PUMP**

A Unit of IDEX Corporation

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**Liquiflo** 

Liquiflo Gear Pumps



**FINISH THOMPSON INC.**

Finish Thompson Drum & Centrifugal Pumps



Codip Air Operated PTFE Diaphragm Pumps

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HNP Gear Pumps

**WANNER**  
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Seal-less Pump Technology

Hydra-Cell High Pressure Diaphragm Pumps



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