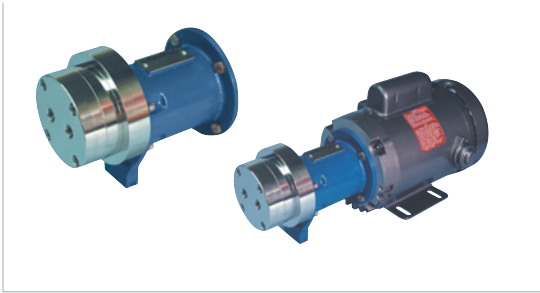
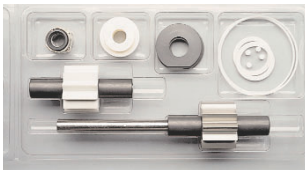


**4-SERIES MAG-DRIVE GEAR PUMP**  
GENERAL INFORMATION



Liquiflo's **4-Series** pumps are low-flow/high-pressure magnetically-driven gear pumps that are completely field repairable. The 4-Series housings are manufactured from Bar Stock in 316 Stainless Steel, Alloy-C or Titanium. With several material options for shafts, gears, wear plates and bearings, these pumps can be used in a wide variety of chemical processing applications.

**REPAIR KITS**



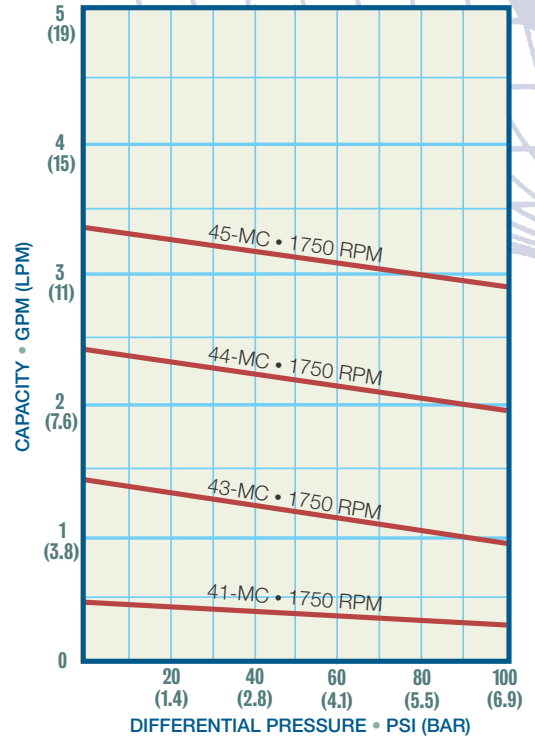
Repair Kits simplify inventory and speed repair. All parts can also be purchased separately.

**MATERIALS AVAILABLE**

HOUSINGS	GEARS	WEAR PLATES	BEARINGS	SHAFTS
316 SS	316 SS	CARBON	CARBON	316 SS
ALLOY-C	ALLOY-C	CERAMIC	TEFLON	ALLOY-C
TITANIUM	GLASS-FILLED PTFE	GLASS-FILLED PTFE	RYTON	CERAMIC COATED
	RYTON	RYTON	SILICON CARBIDE	TUNGSTEN CARBIDE COATED
	CARBON		PEEK	

**COMPOSITE GEAR PUMP PERFORMANCE CURVES**

TEST FLUID: WATER (1 CPS)



**4-Series Specification Chart**

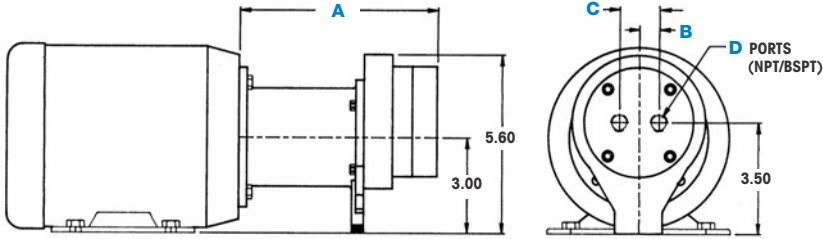
MODEL	41-MC	43-MC	44-MC	45-MC
Port Size	1/4" NPT/BSPT	1/4" NPT/BSPT	3/8" NPT/BSPT	3/8" NPT/BSPT
Max Flow @ 1750 RPM	0.5 GPM (1.9 LPM)	1.4 GPM (5.3 LPM)	2.4 GPM (9.1 LPM)	3.4 GPM (12.9 LPM)
Max Diff. Press.	100 PSI (7 BAR)	100 PSI (7 BAR)	100 PSI (7 BAR)	100 PSI (7 BAR)
Max Discharge Press.	300 PSI (21 BAR)	300 PSI (21 BAR)	300 PSI (21 BAR)	300 PSI (21 BAR)
Max Temperature	500°F (260°C)	500°F (260°C)	500°F (260°C)	500°F (260°C)
Min Temperature	-40°F (40°C)	-40°F (40°C)	-40°F (40°C)	-40°F (40°C)
Max Viscosity @ 300 RPM	4,500 CPS	3,700 CPS	2,000 CPS	1,000 CPS
NPSHR @ 1750 RPM	4.5 FT (1.4 M)	3 FT (0.9 M)	3 FT (0.9 M)	2 FT (0.6 M)
Lift (Dry)	0.5 FT (0.15 M)	1.5 FT (0.45 M)	2.0 FT (0.6 M)	4 FT (1.2 M)
Weight	11 LBS (24 KGS)	11 LBS (24 KGS)	13 LBS (29 KGS)	13 LBS (29 KGS)

# 4-SERIES MAG-DRIVE GEAR PUMP



**4-SERIES  
ROTOGEAR®  
EXTERNAL  
GEAR PUMP**

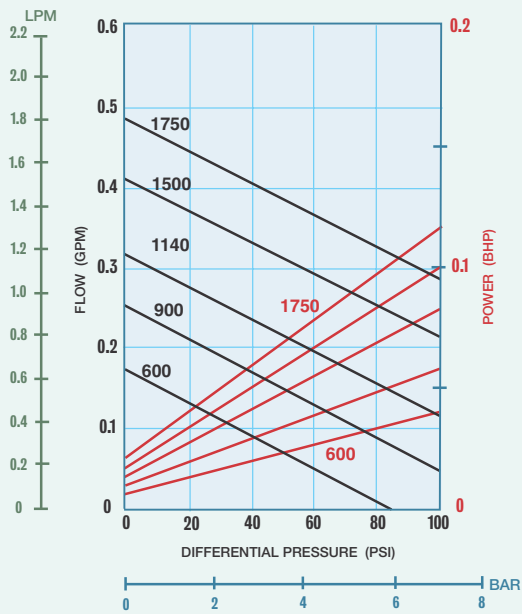
Dimensional Data (inches)



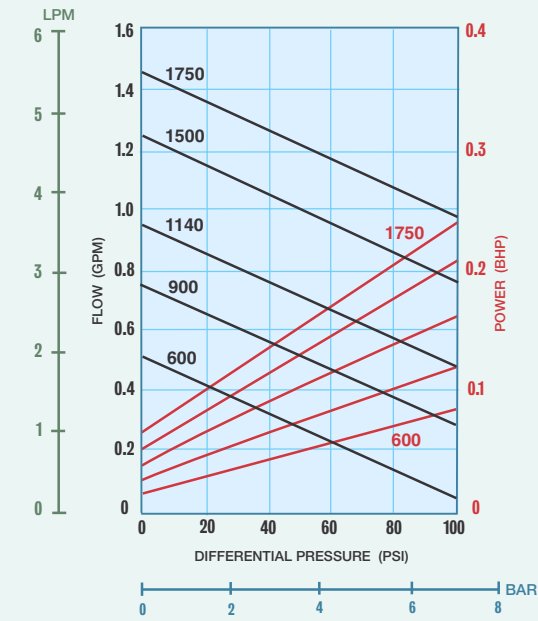
MODEL	A	B	C	D
41-MC	6.24	0.62	1.250	1/4"
43-MC	6.24	0.62	1.250	1/4"
44-MC	6.74	0.75	1.500	3/8"
45-MC	6.74	0.75	1.500	3/8"

## PERFORMANCE CURVES: 1 CPS Fluid (Water)

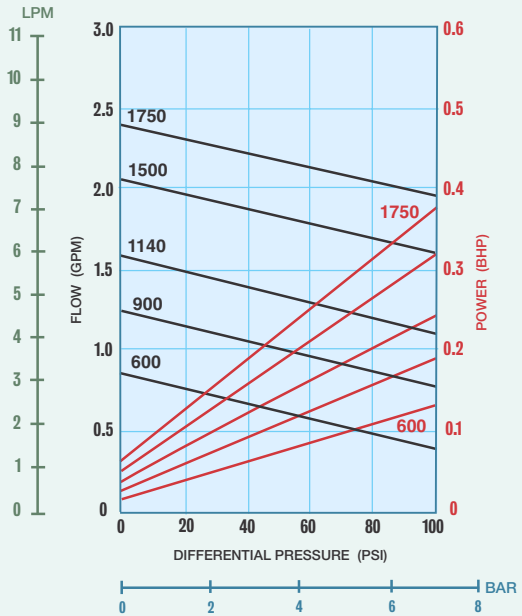
**41-MC**



**43-MC**



**44-MC**



**45-MC**

