

Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
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Rated Capacity:	0-408 gpm	0-93 m ³ /h
Displacement (per 100 revolutions):	68 gal (US)	256 L
Working Pressure:	100 psi	6.9 bar
Max. Pressure:	120 psi	8.3 bar
Starting Torque:	1,417 in lbf	160 N m
Rated Speed:	0-600 RPM**	0-600 RPM**
Shaft Diameter:	1.65"	42 mm
Flange Connection:	ANSI 4"	DN 100
Weight:	260 lbs	118 kg
Solids Handling:		
Spherical Compressible	1.5"	38 mm
Spherical Hard*	1/8"	3 mm

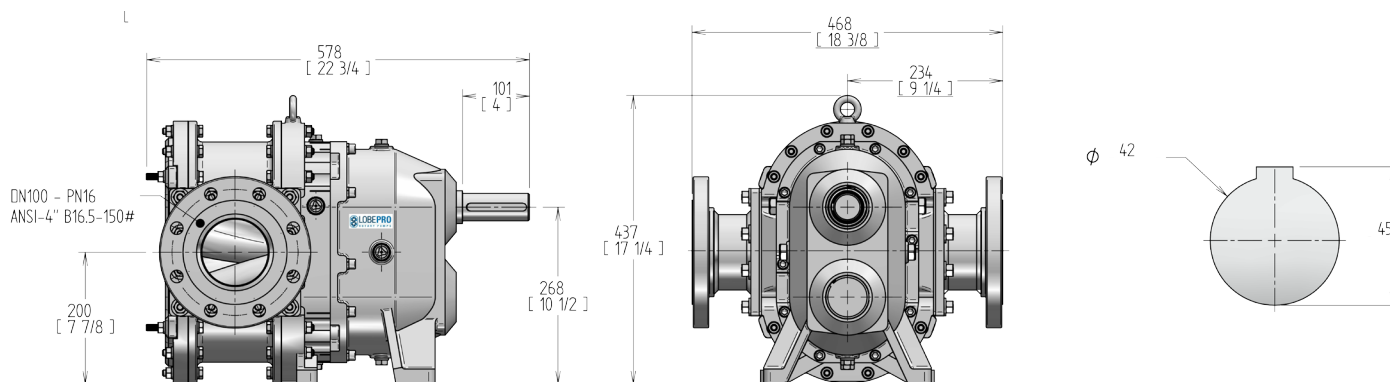
* Larger hard solids will pass through but may cause damage.

MODEL >	GM68	SM68	CM68
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Service	General Use	Sludge, Mud and Slurries	Chemical/Corrosive
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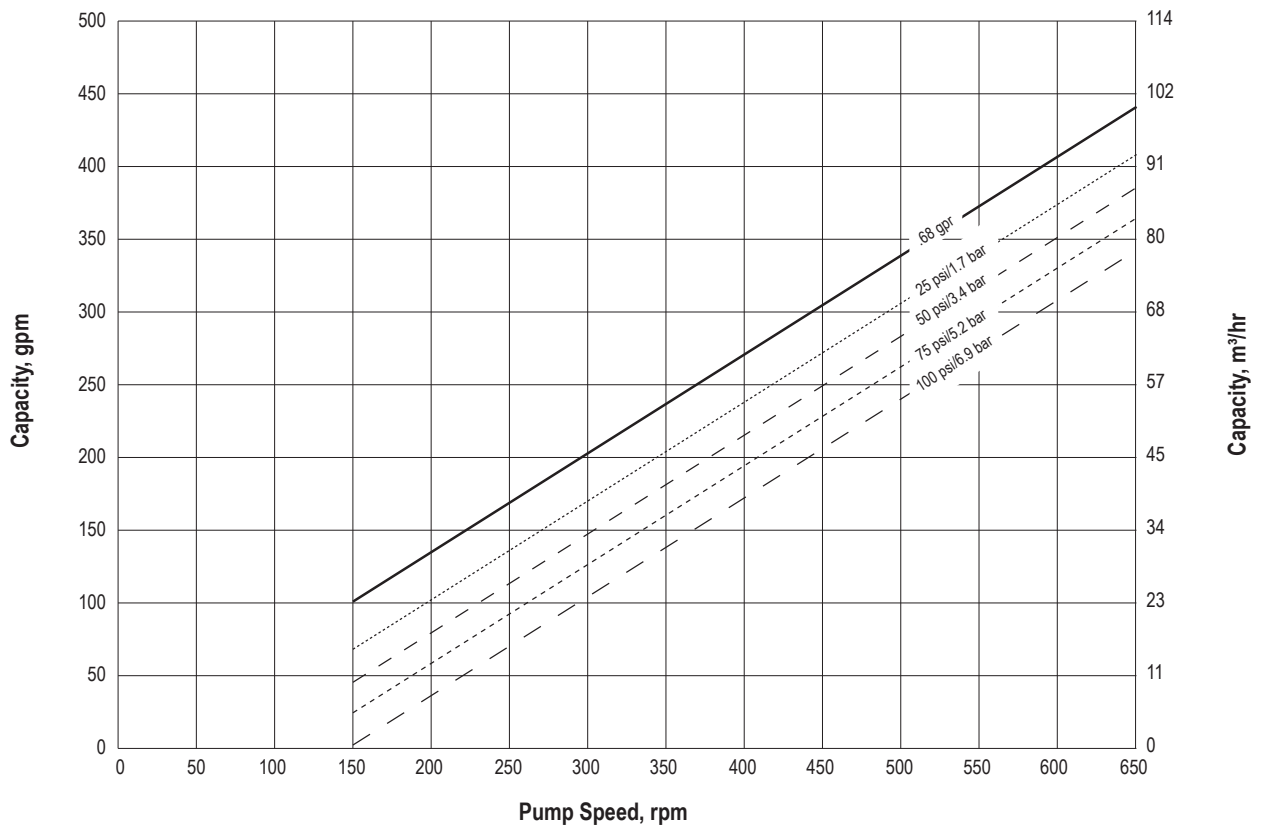
Rotary Lobes			
Elastomer	NBR	NBR	FKM/Viton
Lobe Profile	Helix	Helix	Helix
Number of lobe wings	4	4	4
Core	ASTM A48	ASTM A48	ASTM A48
Sealing			
O-rings	NBR	NBR	FKM/Viton
Oil seals	NBR Option HNBR	NBR Option HNBR	FKM/Viton
Cartridge Seals			
Mechanical Seal	Duronit	Duronit	Silicon Carbide
Seal Holders	Mild Steel coated with Electroless Nickel	Mild Steel coated with Electroless Nickel	Stainless Steel 316
Housing Segments**			
Medium touched	Class 30 Grey Iron	AGI-600 Austempered Grey Iron	Stainless Steel 316
Wear Plates			
Medium touched	A36 Steel	AR500 Steel (Brinell 500)	Stainless Steel 316
Shaft			
Medium/Untouched	AISI 4140 Steel	AISI 4140 Steel	AISI 4140 Steel, Electroless Nickel Coated
Quench Chamber			
Medium touched	ASTM A48 rust primed	ASTM A48 rust primed	ASTM A48 Electroless Nickel Coated
Gear Housing			
Casting	ASTM A48	ASTM A48	ASTM A48
Bolts			
Medium touched	Steel ASTM F568/ISO 898/I	Steel ASTM F568/ISO 898/I	Stainless Steel DIN 931 A2-A4
Bolts- Strain Bolt			
Medium untouched	ASTM A574M-12.9 Zinc Plated	ASTM A574M-12.9 Zinc Plated	ASTM A574M-12.9 Electroless Nickel coated
Gears			
Medium untouched	AGMA Class 9 SAE 1045 steel	AGMA Class 9 SAE 1045 steel	AGMA Class 9 SAE 1045 steel
Pressure Disc			
Medium touched	A36 Steel	A36 Steel	Stainless Steel 316
Bolt Circle			
Medium touched	A36 Steel	A36 Steel	Stainless Steel 316

NOTE: A wide range of optional materials are available for each model. Above specs are for standard builds. Consult Factory for other variations.



M68 CURVES

Performance Curve



Horsepower Requirements

