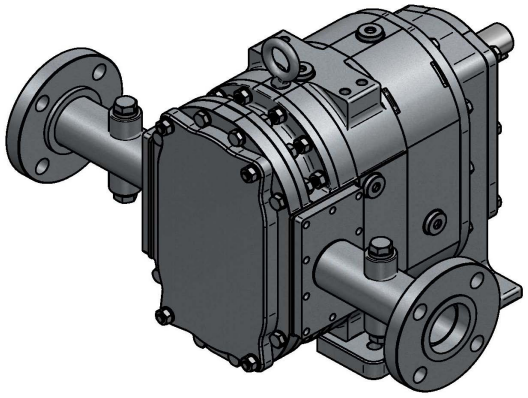
LOBEPRO
ROTARY PUMPS

S8c



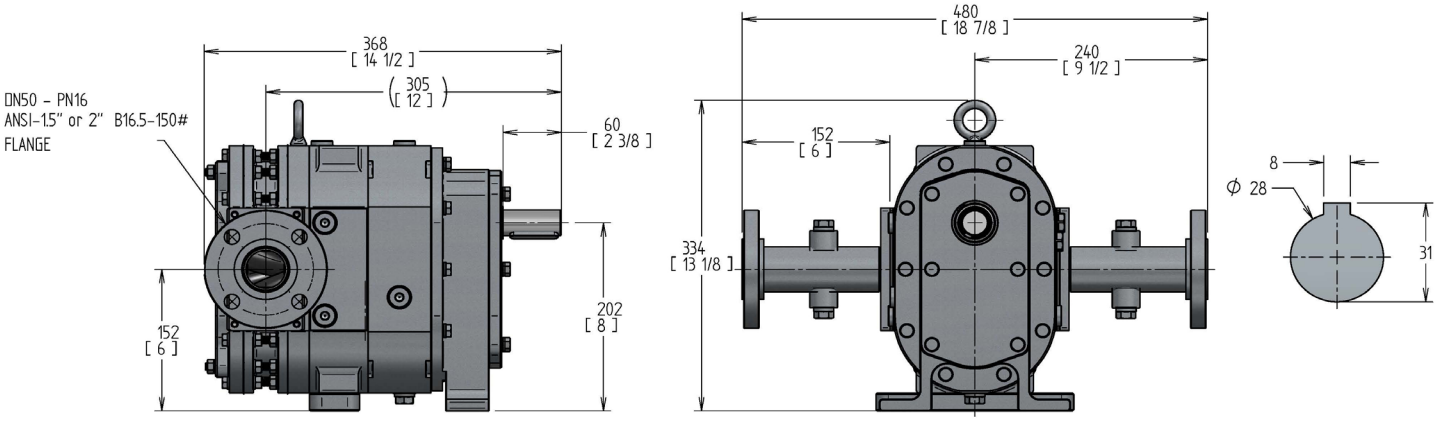
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-72 gpm	0-16 m^3/hr
Displacement (per 100 revolutions):	8 gal (US)	30 L
Maximum Continuous Pressure:	175 psi	12.1 bar
Starting Torque:	720 in lbf	127 N m
Rated Speed:	0-900 RPM	0-900 RPM
Shaft Diameter:	1.1"	28 mm
Flange Connection Class:	ANSI 16.5-150#	DN – PN 16
Flange Connection Size:	ANSI 2"	DN 50
Weight:	144 lbs	65 kg
Solids Handling:		
Spherical Compressible	0.75"	19 mm
Spherical Hard*	1/8"	3 mm

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

MODEL >	SS8c	CS8c
Service	**Sludge, Mud and Slurries***	**Chemical/Corrosive**
WETTED PARTS		
Rotary Lobes		
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix
Number of lobe wings	6	6
Core	Carbon Steel	Carbon Steel
Sealing Elastomers		
O-rings	FKM	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals		
Mechanical Seal	Duronit Opt. Tungsten Carbide, Silicon Carbide or Engineer Rec.	Silicon Carbide Opt. Tungsten Carbide or Engineer Rec.
Seal Holders	Carbon Steel with Corrosion resistant coating	Stainless Steel Type 316
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel
Housing Segments	Carbon Steel	Duplex Stainless Steel
Flange Ring	ASTM A36 Carbon Steel	Stainless Steel Type 316L
Bolts	Carbon Steel ISO 898-I	Stainless Steel A2-A4
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L
LIMITED EXPOSURE PARTS		
Quench Adaptor/Barrier Plate	Carbon Steel	Carbon Steel
Pump Cover	Carbon Steel Opt. Engineering Recommendation	316 Stainless Steel Opt. Engineering Recommendation
NON-WETTED PARTS		
Quench /Seal Cooling Chamber	Carbon Steel	Carbon Steel
Gears	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing	Carbon Steel or ASTM A48 Grey Iron rust primed	Carbon Steel or ASTM A48 Grey Iron
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS		
Standard Painting	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint
	LobePro Blue	LobePro Silver

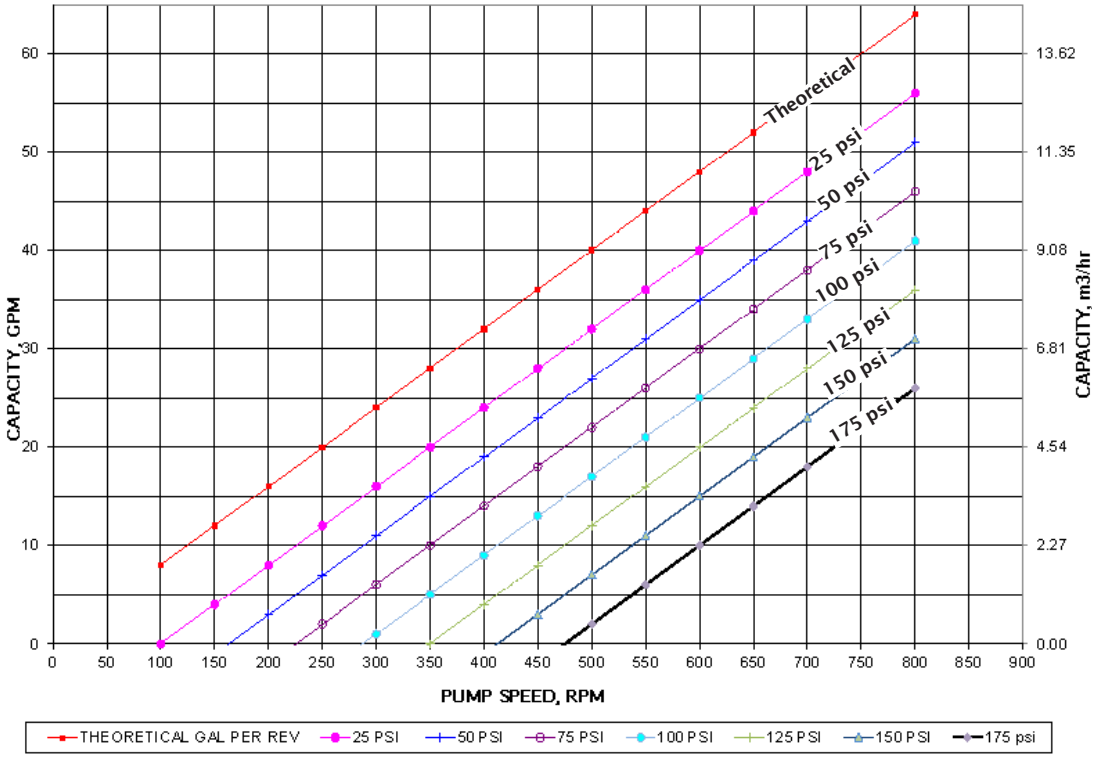
NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F). One piece pump casing design available in Sp line.



S8 CURVES

Performance Curve - NBR Lobes*

Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
Output will increase as viscosity of the fluid increases from 1.



*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements