

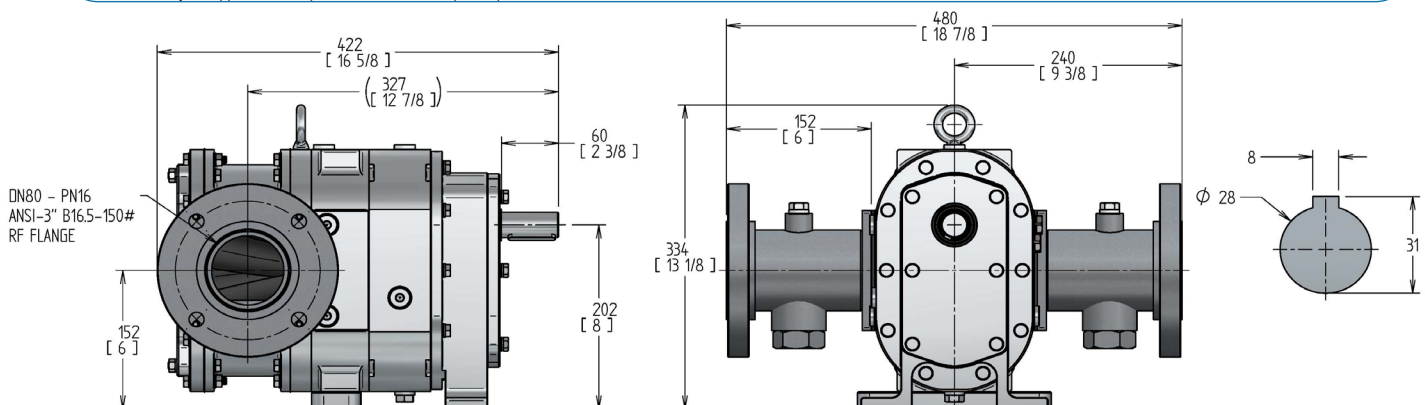
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-140 gpm	0-32 M ³ /hr
Displacement (per 100 revolutions):	16 gal (US)	60 L
Working Pressure (continuous):	150 psi	10.3 Bar
Max. Pressure (intermittent):	175 psi	12.1 Bar
Rated Speed:	0-900 RPM	0-900 RPM
Flange Connection Class:	ANSI 16.5-150#	DN - PN 16
Flange Connection Size:	ANSI 3"	DN 80
Weight:	175 lbs	80 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 >	SS16c	CS16c
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. Carbon Steel with Corrosion resistant coating	Silicon Carbide Opt. Tungsten Carbide or Engineer Rec. Stainless Steel Type 316
Seal Holders	Carbon Steel	Stainless Steel Type 316
Wear Plates	AR500 Steel (Brinell 500)	Stainless Steel Type 316
Housing Segments	Carbon Steel	Duplex Stainless Steel
Flange Ring	ASTM A36 Carbon Steel	Stainless Steel Type 316L
Bolts	Steel ASTM F568/ISO 898/I	Stainless Steel A2-A4
Bolts- Strain Bolt	ASTM A574M-12.9 Geomet Plus Coated	Stainless Steel Type 316
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L
LIMITED EXPOSURE PARTS		
Quench Adaptor/Barrier Plate	Carbon Steel	Carbon Steel - SSPC-SP6 Sandblast/Paint with PTFE / Ceramic Teflon etched on face
Pump Cover	Carbon Steel	Carbon Steel - SSPC-SP6 Sandblast/Paint Opt. Engineering Recommendation
NON-WETTED PARTS		
Quench /Seal Cooling Chamber	Carbon Steel or ASTM A48 Grey Iron rust primed	Carbon Steel or ASTM A48 Grey Iron - SSPC-SP6 Sandblast/Paint with PTFE / Ceramic Teflon etched on face
Gears	AGMA Class 9 SAE 1045 steel	AGMA Class 9 SAE 1045 steel
Gear Housing	Carbon Steel or ASTM A48 Grey Iron rust primed	Carbon Steel or ASTM A48 Grey Iron - SSPC-SP6 Sandblast/Paint Opt. Engineering Recommendation
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel

NOTE: A wide range of optional materials are available for each model. Above specs are for standard builds. Consult LobePro for further information.
*Consult Factory for application temperature above 80°C (175°F)



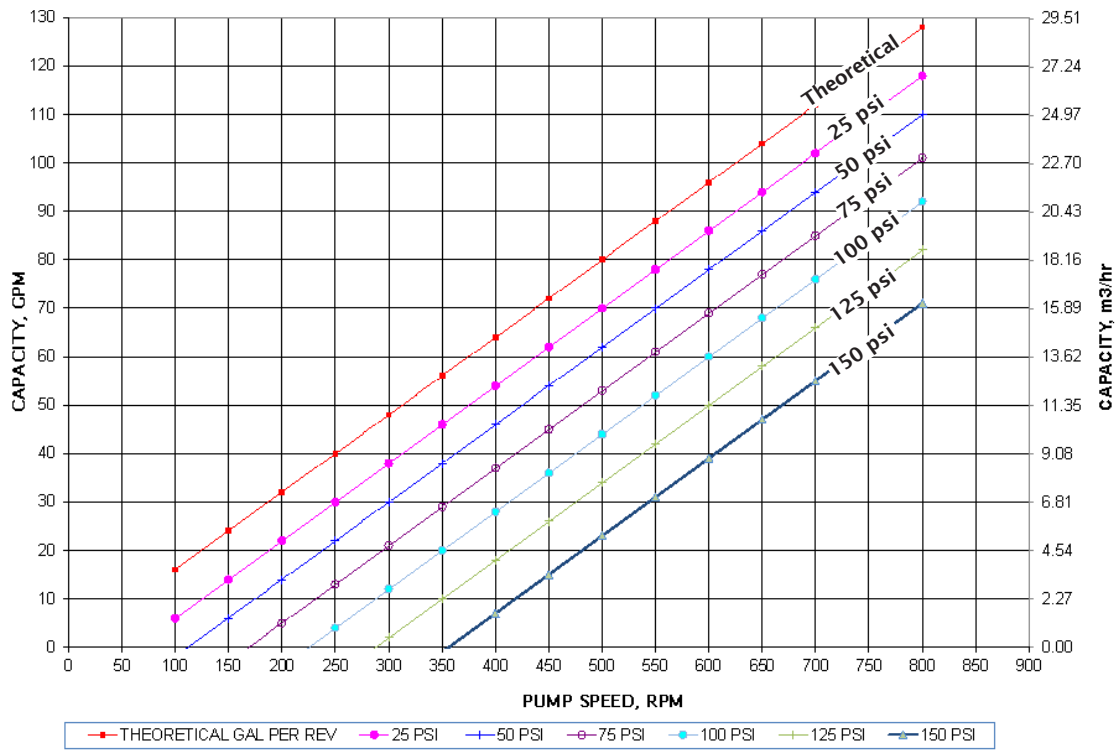
Section 40-07-2

5 October 2016

S16 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

