

**PURE PUMP
– THE SANITARY LINE
OF DRUM PUMPS
FOR LOW AND HIGH
VISCOSITY LIQUIDS**

APPLICATIONS



Drums & Barrels



Laboratory



Large Storage Vessels



Stainless Tanks

SP-800DD | Sanitary Series

Standard's 800DD series pumps are engineered for transferring viscous food products, pharmaceutical ingredients and cosmetic lotions from drums, ToteTanks® and kettles. The progressive cavity design delivers a continuous, smooth flow with little product degradation. Maximum viscosity is 100,000 cps (mPAS).

Common Applications

- Pie Fillings
- Juice Concentrates
- Honey
- Chocolate
- Lotions
- Shampoo

Features

- Hygienic Design
- Easy to Clean & Maintain
- Gentle Product Treatment
- Continuous Flow



Motor Drives



Electric

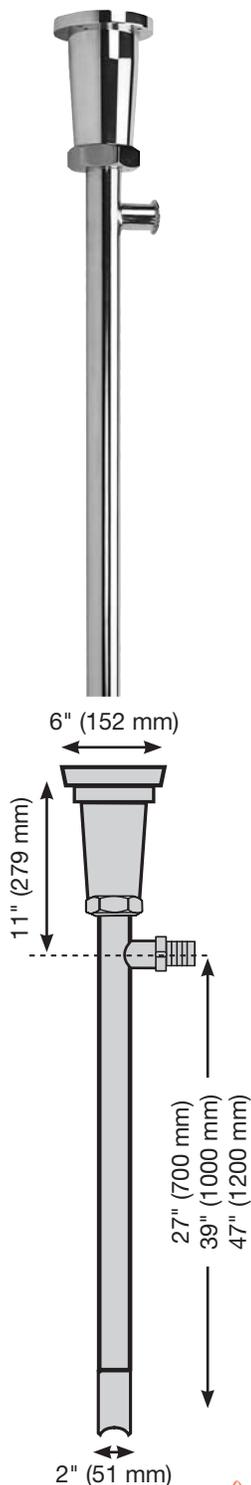


Stainless Steel



Air Motor

Bag Liner Series Pump Intake



Technical Data

Design:	Progressive Cavity / Positive Displacement
Immersion Lengths:	27" (700 mm) 39" (1000 mm) 47" (1200 mm) Please add 5" (127 mm) to the immersion length of pump for the 752 series pumps
Wetted Components:	Tube & Rotor Assembly: 316 Stainless Steel Stator Material: Teflon or White Buna
Pump Finish:	32 Ra
Motor Drives:	IEC motor and Air motor
Inlet/Discharge Size:	2" (51 mm) / 1.5" (38 mm) hose barb not included optional 1.25" (32 mm) hose barb
Maximum Viscosity:	<ul style="list-style-type: none"> • 751 & 752 Series 100,000 cps (mPAS) • 1851 Series 10,000 cps (mPAS)
Maximum Discharge Pressure:	<ul style="list-style-type: none"> • 751 & 1851 Series 6 bar • 752 Series 12 bar
Maximum Flow Rate:	<ul style="list-style-type: none"> • 1851 Series 45 LPM based on water • 751 & 752 Series 26 LPM based on water
Pump Weight:	8,7 kg - 11,8 kg Varies upon model, does not include motor weight
Maximum Temperature:	<ul style="list-style-type: none"> • Teflon Stator 148° C • Buna Stator 85° C
Maximum Solid Size:	.25" (6 mm)
Mechanical Seal:	SiC/Viton/SiC
Stator Materials:	Teflon or White Buna
Mounting Flange:	B14/C140-160
Bag Liner Series:	Optional pump intake design available for applications with hygienic liners

⚠ Note: Pump is constructed with FDA compliant materials.
Note: Refer to page 14 for motor information.

Specialized Pump Intake Design

Engineered for Applications with Hygienic Liners

Bag Liner Series
Pump Intake



SP-800DD | Pump Motors



Electric Motor, IP55 — 190 / 380 // 230 / 460/ 3 / 50-60 Hz

MODEL	HP	KW	RPM	ENCLOSURE	FRAME	FLANGE	WT kg
SP-502	0.75	,55	750-900	TEFC (IP55)	90LC	B14/C140	25,5
SP-512	1	,75	750-900	TEFC (IP55)	100LC	B14/C160	25,5
SP-522	1.5	1,1	750-900	TEFC (IP55)	100LC	B14/C160	35,5
0017	Motor wiring for 230V/3/50-60 Hz which includes 570, 571, 572, 8708						



Electric Motor, IP56 — 190 / 380 // 230 / 460/ 3 / 50-60 Hz

MODEL	HP	KW	RPM	ENCLOSURE	FRAME	FLANGE	WT kg
SP-504	0.75	0,55	750-900	Washdown (IP56)	90LC	B14/C140	25,5
SP-514	1	0,75	750-900	Washdown (IP56)	100LC	B14/C160	27,7
SP-524	1.5	1,1	750-900	Washdown (IP56)	100LC	B14/C160	36,3
0017	Motor wiring for 230V/3/50-60 Hz which includes parts 570, 571, 572, 8708						



Electric Motor, Stainless Steel — 190 / 380 // 230 / 460/ 3 / 50-60 Hz

MODEL	HP	KW	RPM	ENCLOSURE	FRAME	FLANGE	WT kg
SP-508	0.75	0,55	750-900		90LC	B14/C140	29,5
SP-518	1	0,75	750-900		100LC	B14/C160	47,2
SP-528	1.5	1,1	750-900		100LC	B14/C160	52,2
0017	Motor wiring for 230V/3/50-60 Hz which includes parts 570, 571, 572, 8708						

Air Motor

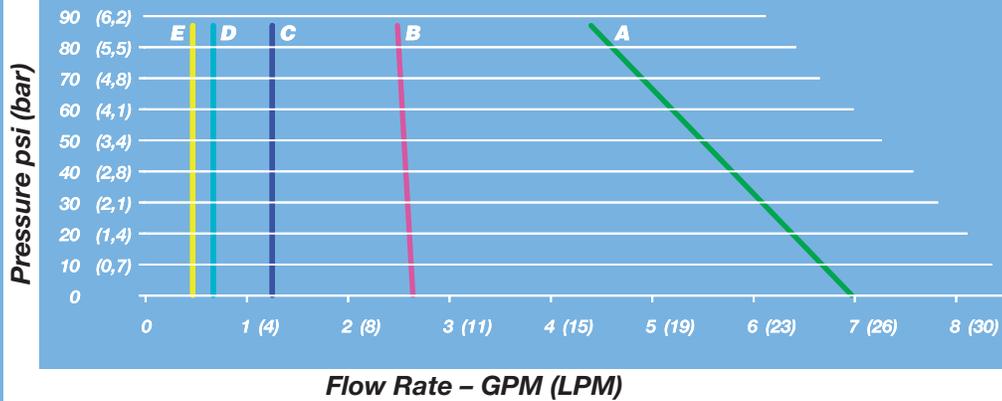


MODEL	HP	kW	RPM	AIR CONSUMPTION	FRAME	Air CONN. Inch (mm)	WT Kg
SP-A4FP	2	1,5	300-900	80 CFM @ 100 psi 37 L/Sec @ 7 bar	IEC#72/D71	1/4" (6,35)	5,0
SP-A6FP	4	3,0	300-900	130 CFM @ 100 psi 65 L/Sec @ 7 bar	IEC#72/D80	1/2" (12,7)	11,0
SP-A8FP	5	3,7	300-900	170 CFM @ 100 psi 80 L/Sec @ 7 bar	IEC#72/D90	1/2" (12,7)	12,0

Note: Motors are intended for use with SP-800DD pump on page 12.

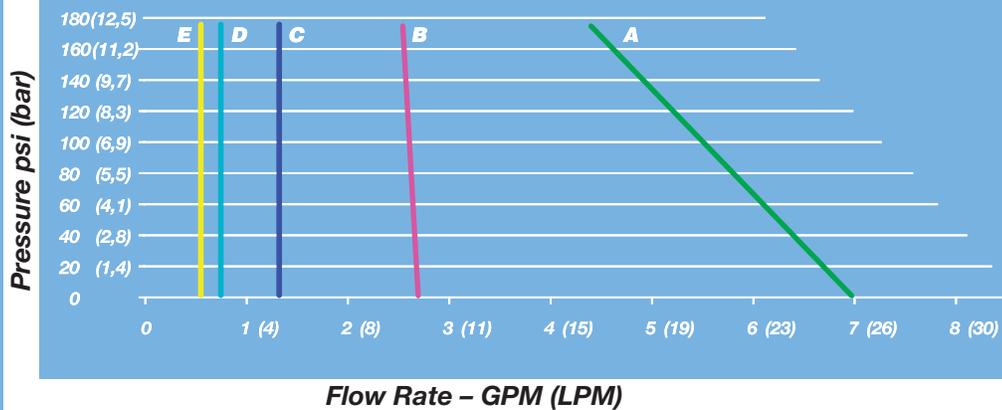
Performance Curves

751 Series Pumps



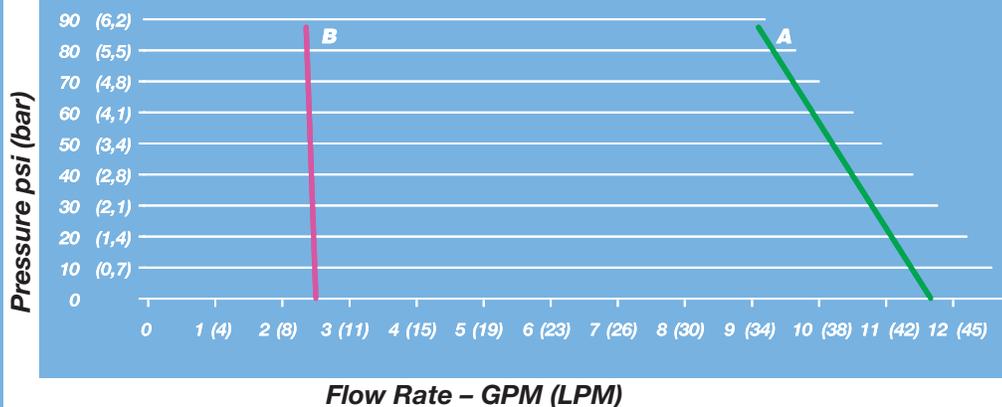
	Viscosity cps (mPas)	Electric HP (KW)	Air HP (KW)
A	1	.75 (.55)	2 (1.5)
B	10,000	.75 (.55)	2 (1.5)
C	30,000	1 (.75)	4 (3)
D	60,000	1 (.75)	4 (3)
E	100,000	1.5 (1.1)	5 (3.7)

752 Series Pumps



	Viscosity cps (mPas)	Electric HP (KW)	Air HP (KW)
A	1	.75 (.55)	2 (1.5)
B	10,000	.75 (.55)	2 (1.5)
C	30,000	1 (.75)	4 (3)
D	60,000	1 (.75)	4 (3)
E	100,000	1.5 (1.1)	5 (3.7)

1851 Series Pumps



	Viscosity cps (mPas)	Electric HP (KW)	Air HP (KW)
A	1	.75 (.55)	2 (1.5)
B	10,000	.75 (.55)	2 (1.5)

Technical Notes

- Performance Curves are intended to be used as a guide only as individual results may vary.
- Pump Stator Elastomers (Teflon or Buna) may vary performance.
- Performance Curves were created using a 900 RPM motor. Reducing motor speed will decrease pump performance. Do NOT increase motor speed above 900 RPM's.
- Pump Curves were created with a Newtonian Polymer (Viscosity remains constant regardless of shear). Non-Newtonian materials (viscosity does not remain constant with shearing) may vary performance.

⚠ WARNING: Do NOT increase motor speed above 900 RPM's. Failure to comply will result in pump failure and possible injury.

DISCHARGE HOSE CLAMP

PART NUMBER	DESCRIPTION
9038	Malleable Iron Two Bolt Clamp Gripping Ridges, Reinforced Lugs Hose Size from 1-48/64" to 2-3/64" (44,50 mm to 52 mm) Torque Value: 27 ft. lbs. (3,75 kg/m) for Proper Attachment



Goodyear Blue Food Flexwing Hose

PART NUMBER	DESCRIPTION
9037-A 1"	Premium foodhose for discharge:
9037-A 1½"	Inner Liner: NBR 3 tube, oil and fat resistant. Twin spring steel spiral. Outer liner: CR, blue, oil and fat resistant cover, high flexibility. Conforms to FDA-3A and USDA standards. Branding: "Goodyear Blue Food Flexwing NBR3PN10BAR FDA 3A US"



Nom. ID in/mm	Nom. OD in/mm	Max WP Bar	Bend Radius in/mm	Vacuum Bar	Weight kg-m	Temp Range C°
1,0/25,4	1,46/37	10	3,9/100	0,9	0,850	-30 to +93
1,5/38	1,96/50	10	6,1/155	0,9	1,340	-30 to +93

PUMP HANGER

PART NUMBER	DESCRIPTION
8430	Pump Hanger Provides a Convenient Solution for Attaching the Pump to a Hoist System



HAND CLAMP, SPOUT, TUBE WIPER and TRI-CLAMP

PART NUMBER	DESCRIPTION
9005	Hand Clamp, SS316 Construction, Engineered to Vertically Stabilize Pump type SP-8600 in Open Top Containers
9004	Sanitary Spout, SS316L, 1,5" (38mm) O.D, 30" (760mm) length
9009	Sanitary Pump Tube Wiper, Food Grade Buna, 50mm I.D. suitable for SP-800 series
9009-01	Sanitary Pump Tube Wiper, Food Grade Buna, 37mm I.D. suitable for SP-8600-SP-8900
833	Tri-Clamp, 1,5", SS316
834	Hose Barb 1,25" (32mm)
835	Hose Barb 1,5" (38mm)

