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

# **APPLICATIONS**





### **Drums & Barrels**

Laboratory





## Large Storage Vessels

**Stainless Tanks** 

#### www.pure-pump.eu

# SP-8600 / SP-8700 Series

Standard Pumps' SP-8600 series sanitary centrifugal pumps offer the ideal solution for transferring juices, concentrates, beer, wine, and cosmetic fragrances from barrels, kettles and Tote Tanks®. The SP-8600 series pumps incorporate a proven hygienic design and FDA compliant materials of construction (CFR 21.177) insuring a safe, robust and efficient sanitary solution.

### **Common Applications Features**

- Concentrates
- Pharmaceutical Ingredients
- Wine & Beer
- Juices
- Personal Care Products
- Easy to CleanTri-Clamp Fittings
- Light Weight & Portable

· Flow Rates to 132 LPM

• Variable Speed Electric & Air Motors

Discharge Pressure to 2,9 bar

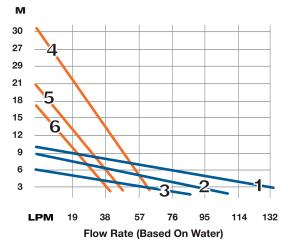
• FDA Compliant Materials of Construction

#### **Technical Specifications**

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Model Number:	SP-8600-39, SP-86	JU-47
	SP-8700-39, SP-87	00-47
Immersion Length:	39" (1000 mm)	
	47" (1200 mm)	
Wetted Components:	SS316L, Teflon & Bu	ina
Motor Drive:	SP-280P and SP-EN	IC series, SP-A1, SP-A2, SP-420-EX
Inlet/Discharge Size:	1.5" (38 mm) / 1" (25	5 mm)
	Tri-Clamp and hose	barb not included
Maximum Viscosity:	1,000 cps (mPAS)*	
Maximum Discharge F	Pressure:	
	2,9 bar	
Maximum Flow Rate:	132 LPM	
Pump Weight:	5 kg (does not inclu	de motor weight
	which varies upon n	nodel)
Maximum Liquid Temp	perature:	
	80° C,	ATEX: 40° C

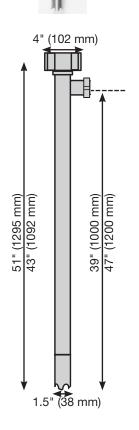
#### **Flow Curves**



#### **KEY:**

- 1 8600 Pump Tube / SP-280P, SP-ENC
- 2 8600 Pump Tube / SP-A2, SP-420EX
- 3 8600 Pump Tube / SP-A1
- 4 8700 Pump Tube / SP-280P, SP-ENC
- 5 8700 Pump Tube / SP-A2, SP-420EX6 8700 Pump Tube / SP-A1

**Note:** Pump is constructed with FDA compliant materials; however, the system does not have FDA certification. \*Pump is intended for intermittent use.







## -8600 - SP-8900 & SP-800SR | Pump Motors

#### SP-280P series for SP-8600, SP-8700, SP-8800 and SP-8900 series





MODEL	ENCLOSURE	POWER	WATT	V.S.D.	SHIPPING WT kg
SP-280P	Open Drip Proof (IP44)	110-120V/1/50-60Hz	825	No	4,0
SP-280P-V	Open Drip Proof (IP44)	110-120V/1/50-60Hz	825	Yes	4,0
SP-280P-2	Open Drip Proof (IP44)	220-240V/1/50-60Hz	825	No	4,0
SP-280P-2-V	Open Drip Proof (IP44)	220-240V/1/50-60Hz	825	Yes	4,0

NOTE: V.S.D. = Variable Speed Drive

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Warning: Not suitable for pumping flammable or combustible liquid N Warning: Not recommended for use with the SP-800SR Series pump.



SP-ENC series for SP-800SR, SP-8600, SP-8700, SP-8800 and SP-8900					
MODEL	ENCLOSURE	POWER	WATT	V.S.D.	SHIPPING WT kg
	<b>TEEO</b> (1999)	4.4.9. 4.9.9.4/4./59. 9.9.1	0.05		

SP-ENC	TEFC (IP54)	110-120V/1/50-60Hz	825	No	5,7	
SP-ENC-V	TEFC (IP54)	110-120V/1/50-60Hz	825	Yes	5,7	
SP-ENC-2	TEFC (IP54)	220-240V/1/50-60Hz	825	No	5,7	
SP-ENC-2-V	TEFC (IP54)	220-240V/1/50-60Hz	825	Yes	5,7	



7	Warning: Not suitable for pumping flammable or combustible liquids.	
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NOTE: V.S.D. = Variable Speed Drive



See warning at bottom of page.

NOTE: V.S.D. = Variable Speed Drive

#### CE 3 SP-A1 for SP-8600, SP-8700, SP-8800 and SP-8900 series

MODEL	CONSUMPTION	MAXIMUM INLET PRESSURE	OUTPUT	WT kg
SP-A1	22 CFM @ 90 psi	100 psi	1/2 HP	1,2
	(10.4 L/sec @ 6,2 bar)	(6,8 bar)	(370 W)	
See warning at bottom of page.		Warning: Not recom	mended for use with the S	P-800SR Series pump



SP-A2 series for SP-8600, SP-8700, SP-8800 and SP-8900 series				
MODEL	CONSUMPTION	MAXIMUM INLET PRESSURE	OUTPUT	WT kg
SP-A2	28 CFM @ 90 psi	100 psi	3/4 HP	1,5
	(13.2 L/sec @ 6,2 bar)	(6,8 bar)	(560 W)	
SP-A2TL	28 CFM @ 90 psi	100 psi	3/4 HP	1,5
(trigger lock)	(13.2 L/sec @ 6,2 bar)	(6,8 bar)	(560 W)	
See warning at bottom of page.		Warning: Not recom	mended for use with the SP-8	00SR Series pump.

WARNING: Pumping of flammables or combustible liquids can generate a static electric discharge, causing fire or explosion resulting in injury or death. Read and under-stand operating instructions before starting this unit. Follow all federal, state and local safety codes including NFPA 30 - NFPA77. Prior to connecting to air supply, install bond and ground wires and check continuity of each wire. A meter reading of one ohm or less is required for safe liquid transfer. Use only metallic drum, receiving vessel and metallic pump when pumping flammables. Air motors are not recognized under any current Underwriter's Laboratory listing program. Consult a qualified engineer for suitability for use in a hazardous area or on flammables.

# APPLICATIONS







