

## SP-8600 / SP-8700

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.



### Features

- FDA Compliant Materials of Construction
- Flow Rates to 132 LPM
- Discharge Pressure to 2,9 bar
- Easy to Clean
- Tri-Clamp Fittings
- Light Weight & Portable
- Variable Speed Electric & Air Motors

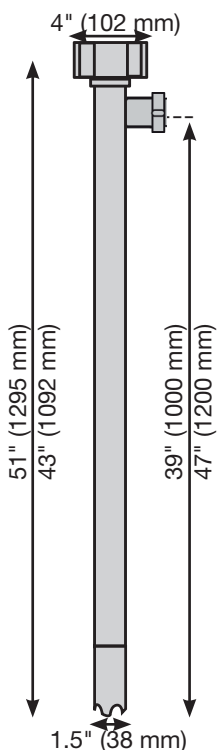


### Common Applications

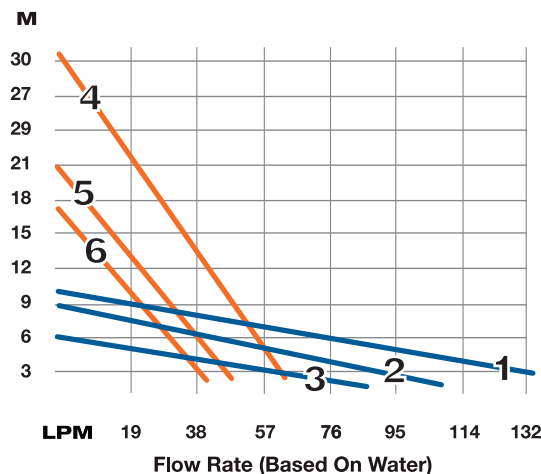
- Concentrates
- Pharmaceutical Ingredients
- Wine & Beer
- Juices
- Personal Care Products

### Technical Specifications

<b>Model Number:</b>	SP-8600-39, SP-8600-47 SP-8700-39, SP-8700-47
<b>Immersion Length:</b>	39" (1000 mm) 47" (1200 mm)
<b>Wetted Components:</b>	SS316L, Teflon & Buna
<b>Motor Drive:</b>	SP-280P and SP-ENC series, SP-A1, SP-A2, SP-440-EX
<b>Inlet/Discharge Size:</b>	1.5" (38 mm) / 1" (25 mm) Tri-Clamp and hose barb not included
<b>Maximum Viscosity:</b>	1,000 cps (mPAS)*
<b>Maximum Discharge Pressure:</b>	2,9 bar
<b>Maximum Flow Rate:</b>	132 LPM
<b>Pump Weight:</b>	5 kg (does not include motor weight which varies upon model)
<b>Maximum Liquid Temperature:</b>	80° C,            ATEX: 40° C



### Flow Curves

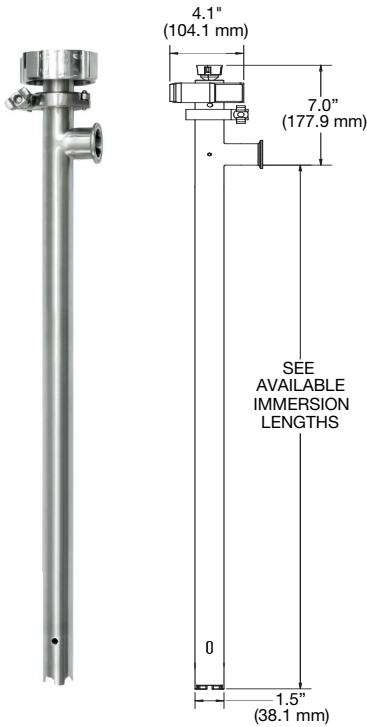


#### KEY:

- 1 8600 Pump Tube / SP-280P, SP-ENC
- 2 8600 Pump Tube / SP-A2, SP-440EX
- 3 8600 Pump Tube / SP-A1
- 4 8700 Pump Tube / SP-280P, SP-ENC
- 5 8700 Pump Tube / SP-A2, SP-440EX
- 6 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.

# SP-8850 and SP-8950 Sanitary



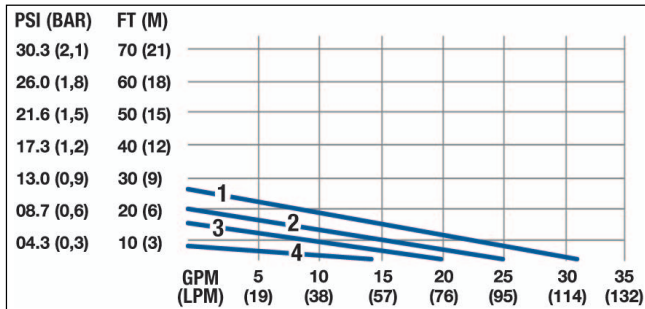
## Common Applications

- Juices
- Beer
- Wine
- Pharmaceuticals
- Personal Care Products
- Cosmetic Fragrances

## Technical Specifications

<b>Pump Design</b>	Seal-less / Centrifugal
<b>Discharge</b>	1 1/2" Tri-Clamp®
<b>Wetted Materials</b>	SS316L, PTFE
<b>Motor Drive Options</b>	110V & 220V 1 Phase, Pneumatic, Explosion Proof
<b>Max. Viscosity</b>	(based on motor option) SP-280P & SP-ENC: 1000 cps (mPas)* SP-A2 & SP-440EX: 750 cps (mPas) SP-A1: 450 cps (mPas) SP-430EX: 200 cps (mPas)
<b>Max. Discharge Pressure</b>	SP-8850 : 11 psi (,75 bar) SP-8950: 21 psi (1,45 bar)
<b>Max. Flow Rate</b>	(based on water) SP-8850: 117 lpm SP-8950: 79 lpm
<b>Max. Specific Gravity</b>	1.8**
<b>Max. Temperature</b>	80° C (Atex: 40° C)
<b>Avail. Immersion Lengths</b>	39" (1000 mm), 47" (1200 mm) Additional lengths available upon request

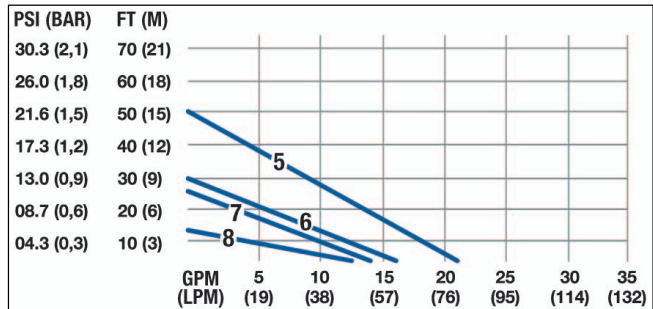
### SP-8850



#### Flow Rate (Based on Water)

- 1 SP280P, SP-ENC
- 2 SP-440EX, SP-A2
- 3 SP-A1
- 4 SP-430EX

### SP-8950



#### Flow Rate (Based on water)

- 5 SP-280P, SP-ENC
- 6 SP-440EX, SP-A2
- 7 SP-A1
- 8 SP-430EX



Warning: When pumping flammable or combustible liquids, pump tube must be used in conjunction with an explosion proof or air motor. \*\*Note: Maximum Specific Gravity is 1.8 when used in conjunction with 825 watt motor.

## Motors for SP-8600 to SP-8950



### SP-280P series for SP-8600, SP-8700, SP-8850 and SP-8950 series



MODEL	ENCLOSURE	POWER	WATT	V.S.D.	SHIPPING WT kg
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

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



### SP-ENC series for SP-8600, SP-8700, SP-8850 and SP-8950



MODEL	ENCLOSURE	POWER	WATT	V.S.D.	SHIPPING WT kg
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

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



### SP-440 Serie for SP-8600, SP-8700, SP-8850 and SP-8950



MODEL	ENCLOSURE	POWER	WATT	V.S.D.	SHIPPING WT kg
SP-440EX	Explosion Proof	220-240V/1/50-60Hz	1.000	Yes	7,7

NOTE: V.S.D. = Variable Speed



### SP-A1 for SP-8600, SP-8700, SP-8850 and SP-8950 series



MODEL	CONSUMPTION	MAXIMUM INLET PRESSURE	OUTPUT	WT kg
SP-A1	22 CFM @ 90 psi (10.4 L/sec @ 6,2 bar)	100 psi (6,8 bar)	1/2 HP (370 W)	1,2



### SP-A2 series for SP-8600, SP-8700, SP-8850 and SP-8950



MODEL	CONSUMPTION	MAXIMUM INLET PRESSURE	OUTPUT	WT kg
SP-A2	28 CFM @ 90 psi (13.2 L/sec @ 6,2 bar)	100 psi (6,8 bar)	3/4 HP (560 W)	1,5
SP-A2P (trigger lock)	28 CFM @ 90 psi (13.2 L/sec @ 6,2 bar)	100 psi (6,8 bar)	3/4 HP (560 W)	1,5

WARNING: Pumping of flammables or combustible liquids can generate a static electric discharge, causing fire or explosion resulting in injury or death. Read and understand 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.