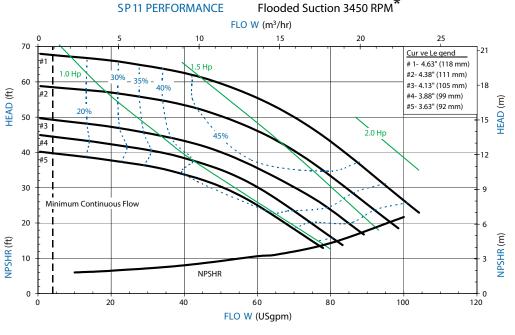


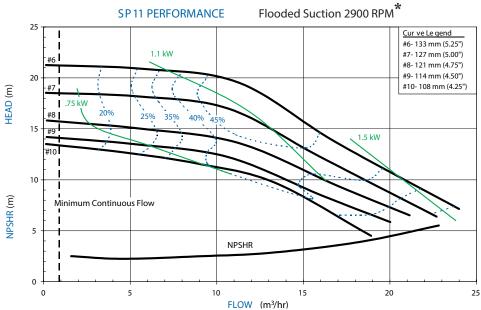
## SP Series: Model SPII











Notes: Performance curves above are based on flooded suction.

\*Performance will vary with suction lift conditions. For performance at various suction lifts, see curve book on FTI web site (www.finishthompson.com) or contact factory.

Warning! SP Series not recommended for pumping flammables!

## **CAPABILITIES**

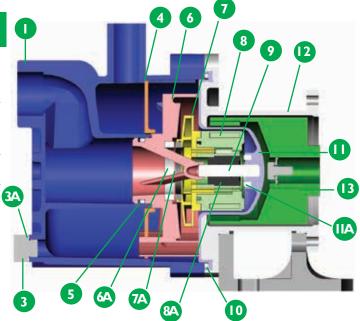
- + Self-priming, magnetic drive
- + Five-year warranty
- + Provides up to 25 ft. (7.6 m) lift or equivalent
- + Primes 18 ft. (5.5 m) in 90 seconds with maximum diameter impeller
- + Retains fluid for re-priming when shut off without a check valve
- + Extended run dry ability (with carbon bushing)
- + High operating efficiency
- + Polypropylene or PVDF construction
- + Powerful neodymium magnets
- + Close-coupled design
- + Threaded (NPT or BSP), union or flange connections
- + Back pullout design
- + Mounts to NEMA and (B5 & B14) IEC motor frames
- + Easy set measurement free drive
- + ISO 1940 G2.5 balancing
- + CE certified
- + High working pressure up to 90 psi (6.2 bar)
- + Specific gravity over 1.8
- + Polypropylene—180° F (82° C)
- + PVDF-220° F (104° C)

## **APPLICATIONS**

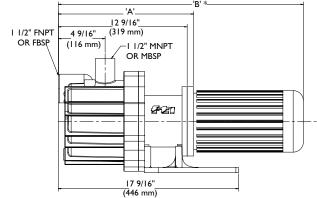
- + Rail cars
- + Tanker trucks
- + Tanks with an opening on top
- + Bulk storage to day or process tank transfer
- + Sumps and reservoirs
- + Below grade storage tanks
- + Over-the-wall applications
- + When run-dry protection is needed
- + and many more!



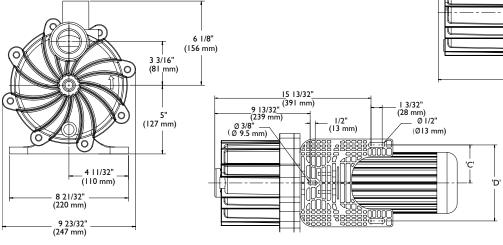
	Description	Polypropylene Models	PVDF Models			
1 4 6 7	Housing Separator plate Inner volute Impeller	Glass-fiber reinforced polypropylene	Carbon-fiber reinforced PVDF			
3A, 5, 10	O-ring options	FKM, EPDM				
3	Fill and drain plugs*	Polypropylene	PVDF			
6A	Inner volute thrust ring options	High purity alumina ceramic, silicon carbide				
7A	Impeller thrust washer options	Molybdenum disulfide filled PTFE, silicon carbide				
8	Inner drive	Neodymium iron boron magnets encapsulated in unfilled polypropylene	Neodymium iron boron magnets encapsulated in unfilled PVDF			
8A	Bushing options	Carbon, PTFE, high purity alumina ceramic, silicon carbide				
9	Shaft options	High purity alumina ceramic, Hastelloy® C, silicon carbide				
Ш	Barrier	Glass-fiber reinforced polypropylene	Carbon-fiber reinforced PVDF			
HA	Barrier thrust ring	High purity alumina ceramic				
12	Motor adapter	Ductile iron				
13	Outer drive magnets	Nickel-plated neodymium iron boron magnets/steel				



Hastelloy® C is a registered trademark of Haynes International, Inc.



\*Fill plug not shown



Also available I - I / 2"  $\times$  I - I / 2" I 50 lb. ANSI-ISO PN20/PN40 flange or 50 mm  $\times$  50 mm union connection.

Motor Frame	Α	В	c <sup>†</sup>	D <sup>†</sup>	Weight - lbs. [kg]	
					PP	PVDF
NEMA 56C	12-9/16" [31.9 cm]	24-9/16'' [62.4 cm]	3-3/4'' [9.5 cm]	7-1/2" [19.1 cm]	25 [11.3]	30 [13.6]
NEMA 145	12-9/16" [31.9 cm]	23-5/16" [59.2 cm]	3-3/4'' [9.5 cm]	7-1/2'' [19.1 cm]	25 [11.3]	30 [13.6]
NEMA 184TC	13-7/16" [31.4 cm]	25-11/16" [66.6 cm]	3-3/4'' [9.5 cm]	7-1/2" [ 19.1 cm]	26 [11.8]	31 [14.1]
IEC 80/90 w/B14 or B5	13-3/16" [33.5 cm]	23-7/8'' [60.6 cm]	3-3/4'' [9.5 cm]	7-1/2" [19.1 cm]	25.5 [11.6]	30.5 [13/8]
IEC 100 w/B14	13-1/4" [33.7 cm]	25-13/32'' [64.5 cm]	3-5/32" [8.0 cm]	6-10/32'' [16.0 cm]	25.5 [ 11.6]	30.5 [13.8]
IEC 112 w/B14	13-1/4" [33.7 cm]	25-29/32" [65.8 cm]	3-3/4'' [9.5 cm]	7-1/2" [19.1 cm]	25.5 [11.6]	30.5 [13.8]
IEC 100 w/B5	13-1/4" [33.7 cm]	25-25/32" [65.5 cm]	3-5/32'' [8.0 cm]	6-10/32'' [16.0 cm]	31.5 [14.3]	36.5 [16.6]
IEC112 w/B5	13-1/4" [33.7 cm]	26-5/8'' [67.6 cm]	3-3/4" [9.5 cm]	6-10/32" [16.0 cm]	31.5 [14.3]	36.5 [16.6]

Dimensions and weights are for reference only. Weights listed are for pump only; motor not included.

<sup>†</sup>Varies with motor manufacturer.

