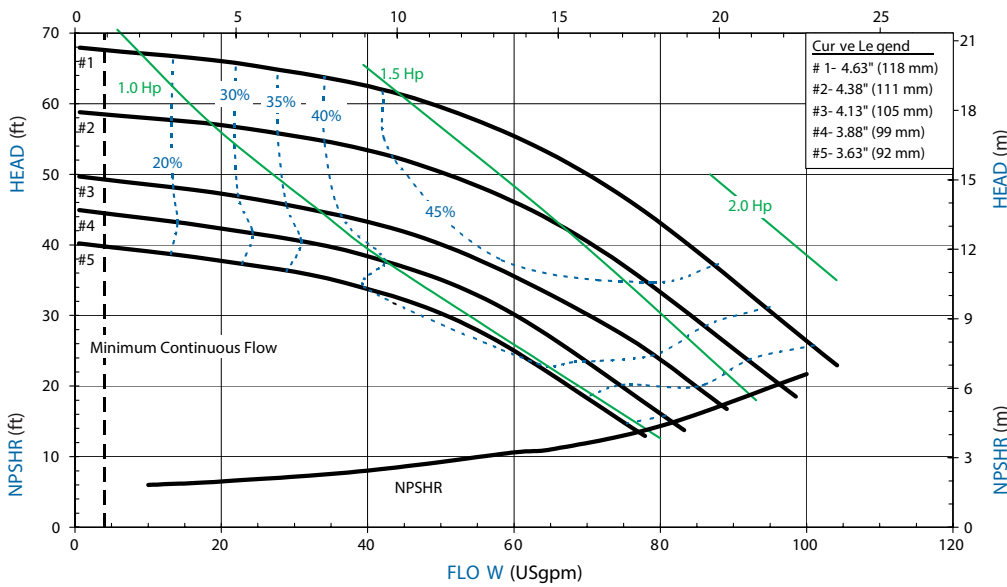




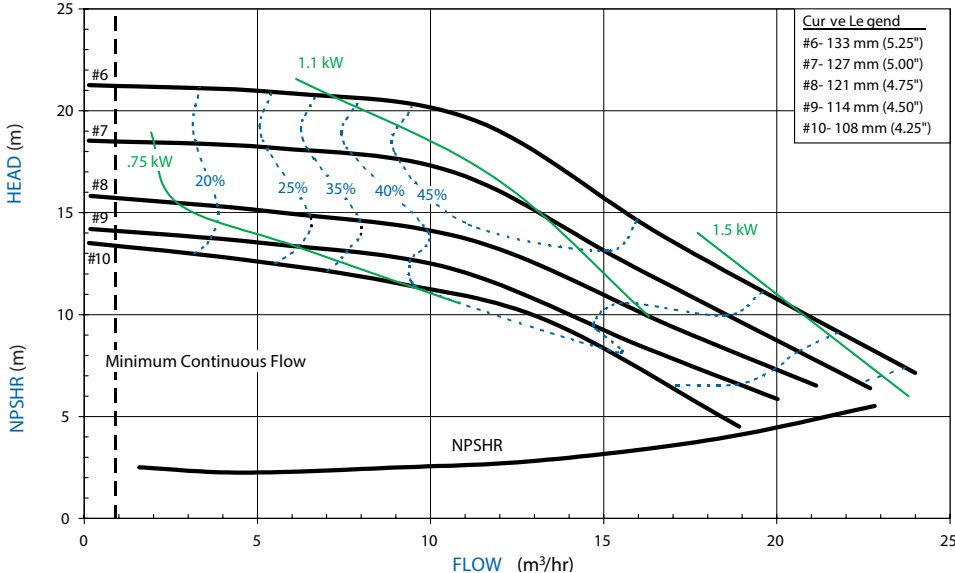
SP Series: Model SPI I



SP 11 PERFORMANCE Flooded Suction 3450 RPM*



SP 11 PERFORMANCE Flooded Suction 2900 RPM*



Notes: Performance curves above are based on flooded suction.

*Performance will vary with suction lift conditions.

Warning! SP Series not recommended for pumping flammables!

FEATURES & CAPABILITIES

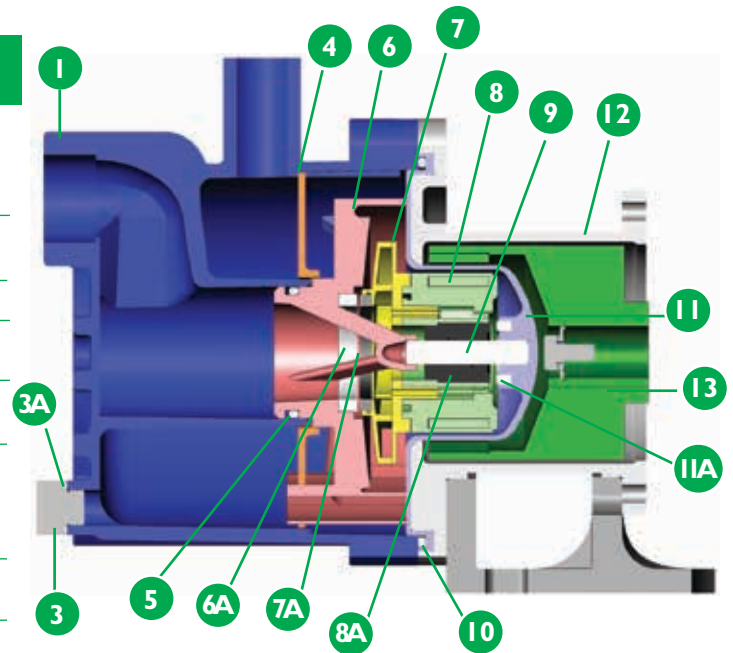
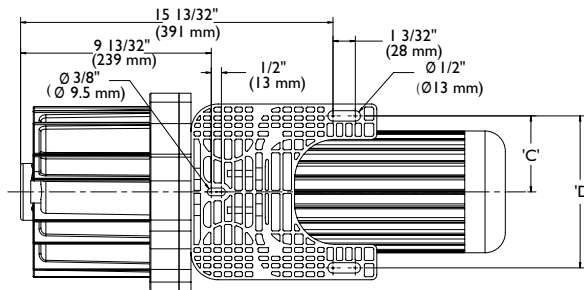
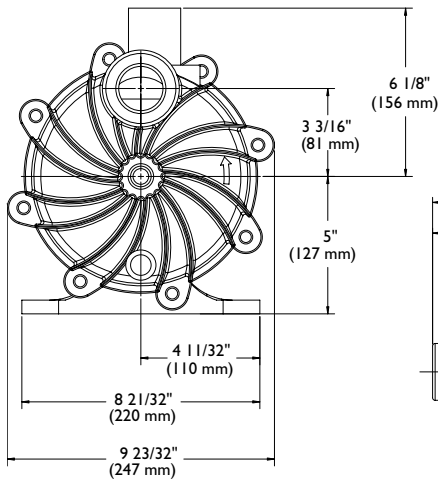
- + Self-priming, magnetic drive
- + Five-year warranty
- + Provides up to 25 ft. (7.6 m) lift or equivalent
- + Primes 18 ft. (5.5 m) in 90 seconds with maximum diameter impeller
- + Retains fluid for re-priming when shut off without a check valve
- + Extended run dry ability (with carbon bushing)
- + 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

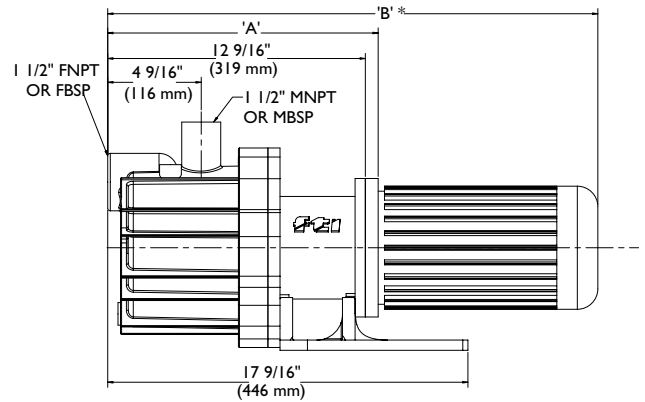
- + Rail cars
- + Tanker trucks
- + Tanks with an opening on top
- + Bulk storage to day or process tank transfer
- + Sumps and reservoirs
- + Below grade storage tanks
- + Over-the-wall applications
- + When run-dry protection is needed
- + and many more!

| Description | Polypropylene Models | PVDF Models |
|--|---|--|
| 1 Housing | | |
| 4 Separator plate | Glass-fiber reinforced polypropylene | Carbon-fiber reinforced PVDF |
| 6 Inner volute | | |
| 7 Impeller | | |
| 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 | |
| 11 Barrier | Glass-fiber reinforced polypropylene | Carbon-fiber reinforced PVDF |
| 11A Barrier thrust ring | High purity alumina ceramic | |
| 12 Motor adapter | Ductile iron | |
| 13 Outer drive magnets | Nickel-plated neodymium iron boron magnets/steel | |

*Fill plug not shown



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



Also available 1-1/2" x 1-1/2" 150 lb. ANSI-ISO PN20/PN40 flange or 50 mm x 50 mm union connection.

| Motor Frame | A | B | C† | D† | 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] |
| IEC 112 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.

†Varies with motor manufacturer.