

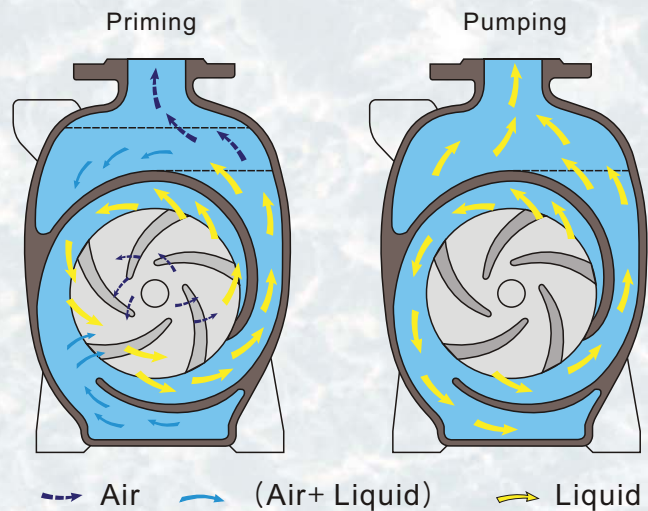
Features

- Self priming (foot valve is not necessary)
- Other features and materials are same as those of SF series

Applications

- in chemical industry (acid/alkali/chemicals)
- in environmental protection engineering
- in food and sugar industry
- in ship and offshore industry
- in agriculture
- in general service

Principle of Self-priming



Specification

Model	Capacity	Head	Power	M/S
	Q (m ³ /min)	H (m)	HP x P	∅ (mm)
SP 40 x 32	0.15	15	3 x 4	25
	0.20	40	7.5 x 2	
SP 65 X 50	0.35	20	5 x 4	35
	0.6	15	7.5 x 4	
	0.5	70	25 x 2	

60Hz

Model	Capacity	Head	Power	M/S
	Q (m ³ /min)	H (m)	HP x P	∅ (mm)
SP 100 X 80	1.0	22	10 x 4	35
	1.0	30	15 x 4	
	1.5	20	15 x 4	
SP 150 X 125	1.5	30	25 x 4	45
	2.0	25	25 x 4	
	2.0	40	40 x 4	
	3.0	30	40 x 4	

60Hz

- Twin volute design exhausts suction with only an initial priming charge of liquid in casing.
- During priming cycle, lower volute functions as intake while upper volute discharges liquid and entrained air into separation chamber.
Air is separated and expelled through pump discharge while liquid recirculates into lower volute.
- Once air is completely exhausted from suction and liquids fills impeller eye, pump is primed and functions as conventional centrifugal pump with both voluted acting as discharge.
- Casing is designed so that an adequate volume of liquid for repriming is always retained in pump even if liquid is allowed to drain back to source of supply from discharge and suction.