



FZ INOX Srl · Stainless-steel machines
for food, dairy & beverage · Made in Italy

FZ-SP

Self-Priming Pump

Sanitary AISI 316L self-priming centrifugal pump
Rev. 2025 · Data at n ~ 1450 rpm · 50 Hz



Food-grade stainless steel self-priming pump for milk transfer and foaming liquids. It draws liquid even from below its own level and resumes automatically after an interruption — no manual intervention. Built to measure in AISI 316L.

APPLICATIONS

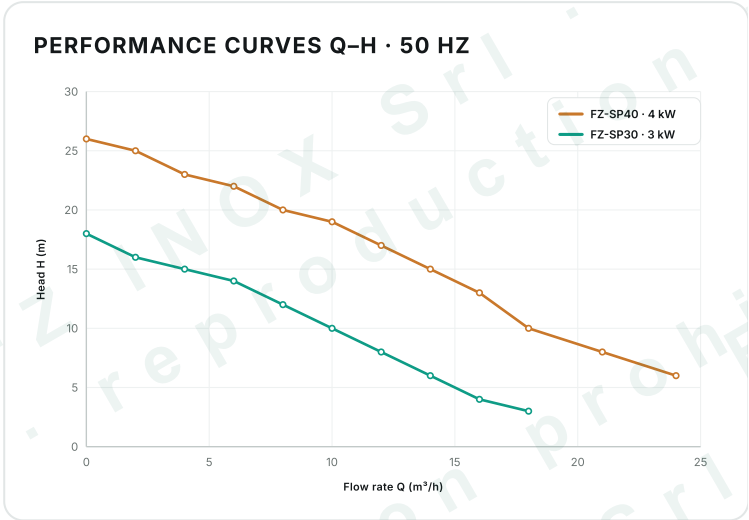
- Dairy & milk
- Foaming liquids
- Beverage
- Viscous products
- Tank-to-tank transfer

KEY FEATURES

- Self-priming — lifts liquid from below pump level
- Automatic restart after interruption
- Modular design — easy maintenance, low running cost
- Low vibration & quiet operation
- 316L resists cavitation & aggressive media

TECHNICAL DATA

Type	Self-priming centrifugal, sanitary
Product-contact material	AISI 316L stainless steel
Motor power	3.0 kW (4 HP) · 4.0 kW (5.5 HP)
Speed	~ 1450 rpm (4-pole)
Impeller diameter	192 mm
Power supply	400 V · 3-ph · 50 Hz (60 Hz coming soon)
Motor protection	IP55 · IP69-K version available
Hygienic connections	DIN 11851 (standard, IT) · Tri-Clamp, SMS, flanges & others on request
Mechanical seal	Selected to suit fluid & temperature

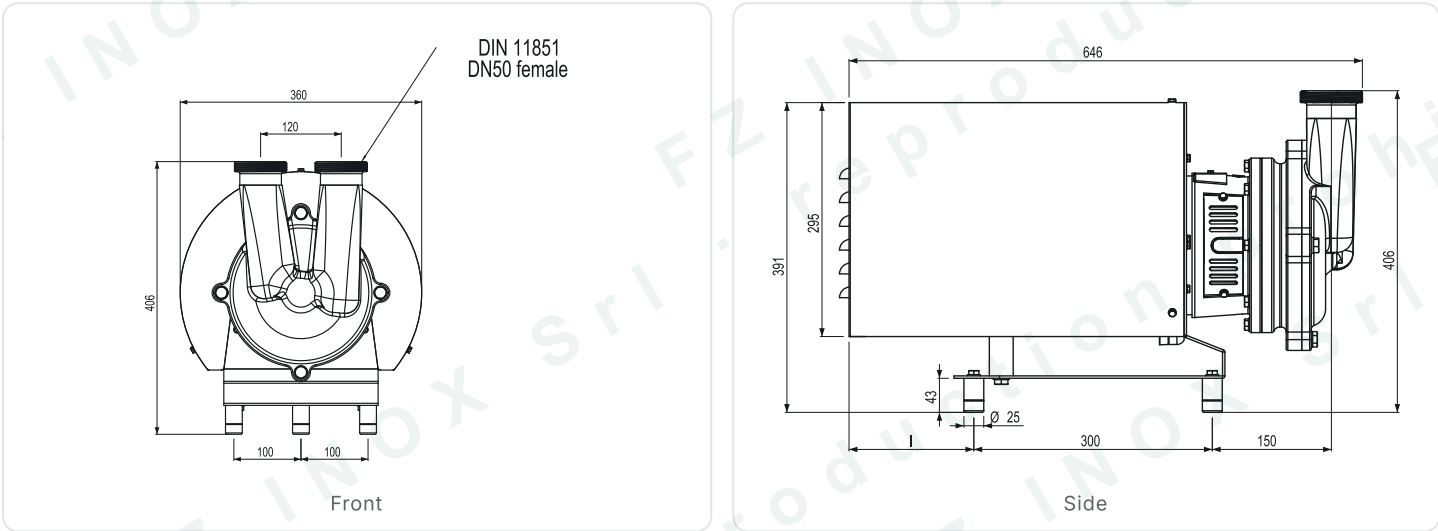


PERFORMANCE DATA · 50 HZ

Flow rate Q · m³/h	0	2	4	6	8	10	12	14	16	18	21	24
Flow rate Q · l/min	0	33.3	66.6	100	133.3	166.6	200	233.3	266.6	300	350	400
FZ-SP30 · H (m)	18	16	15	14	12	10	8	6	4	3	–	–
FZ-SP40 · H (m)	26	25	23	22	20	19	17	15	13	10	8	6

Data for indicative purposes only — test results with fresh water at room temperature.

DIMENSIONS



Overall dimensions in mm. FZ-SP30 and FZ-SP40 share the same envelope. Indicative, not binding.

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CE Specifications subject to change without notice.