



WATERFLO IL Series Vertical in-line Pump



WATERFLO IL SERIES

Description

Waterflo IL products are a series of vertical in-line pumps designed according to the European Standard BS EN733/ DIN24255.

As in-line pumps they are used for pumping clean water or liquids similar to water, with wide application ranging from plants, mines, city water supplies, air-conditioning, to fire-fighting, cooling, environmental machinery, irrigation, and so on.

Pump performance can be adjusted into different levels through impeller trimming. Motor shaft is to be inserted into pump shaft for driving. This way of close-coupling ensures the alignment of pump and motor; meanwhile, pump impeller runs in good balance both dynamically and statically, therefore pump would be kept very well in operation. ILS pump uses IEC standard motor and pump can be assembled separately without motor. ILE pump requires a special motor with motor with extra-long shaft. IL pumps are designed with deflation device, advanced in structure, compact in size, less room-required for installation while in no need of complex maintenance.



Design: Performance referring to BS EN733/ DIN24255 standard

Structure: Vertical, Single-Stage, Single-suction, Volute Casing, In-line, Centrifugal Pump

Flange: DIN2501 (ISO7005.2 / GB/T17241.6 PN1.6) standard, ANSI B16.5 Class150lb optional

Rotation: Clockwise viewing from the drive side

Material

Casing- Cast Iron standard, Ductile Iron optional

Impeller- Bronze standard, Cast Iron, Stainless Steel optional

Shaft- ASTM 420 standard, ASTM 304, ASTM 316, ASTM 1045 optional

Shaft Seal- Mechanical Seal (Caron-Sic/Viton standard)

Operating Data:

Flow Rate (Q): 2-450m³/h

Head (H): 2-150m

Speed: 1450 or 2900 rpm (50Hz)

1750 or 3500 rpm (60Hz)

Temperature: -10C to 105C

Working Pressure: 16 Bar standard



Construction:

Name

- 1 Casing
- 2 Adapter
- 3 Impeller
- 4 Casing Cover
- 5 Wear Ring
- 6 Impeller Nut
- 7 Mechanical Seal
- 8 Seal Seat
- 9 Slinger
- 10 Screw Plug
- 11 Motor
- 12 Shaft
- 13 Bearing Cover
- 14 Flexible Washer
- 15 Bearing
- 16 Circlip for Shaft

