



Specialist for Pumping Technology



IPP

Single stage, end suction, process pump

SINGLE STAGE, END SUCTION, PROCESS PUMP

IPP Process Pump

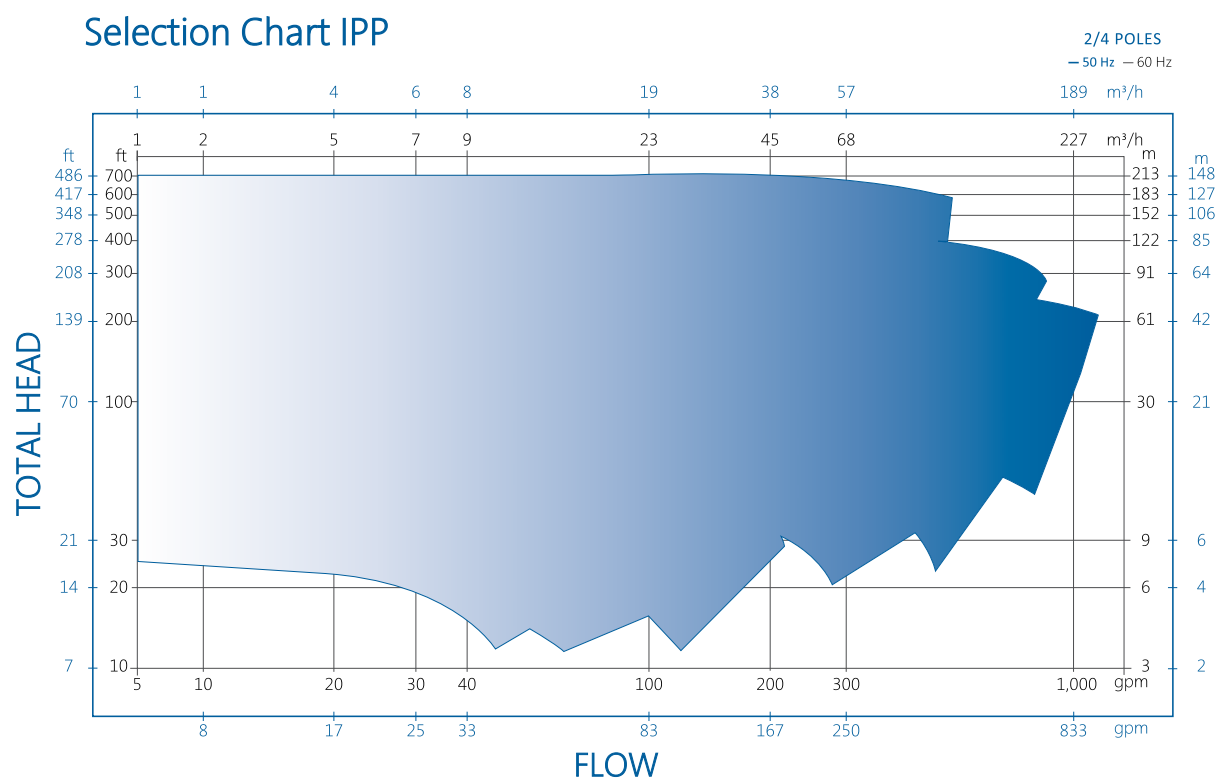
The IPP pump is a semi open impeller process pump, designed to meet dimensionally the ANSI/ASME B73.1-2001 specifications.

This versatile pump line is offered in a wide range of constructive materials that allow the pump to work with many different kinds of fluids, from corrosive and non-corrosive liquids ranging from water to hydrocarbons or slurries.

The productivity-oriented design of the pump reduces the maintenance operation times by minimizing the downtime breaks and the maintenance costs.

Not only does the design allow the customer an easy drop-in pump exchange, its external adjustable impeller and its back pull-out design proves this pump to be an ideal solution for low maintenance processes.

Performance Range



External Adjustable Impeller

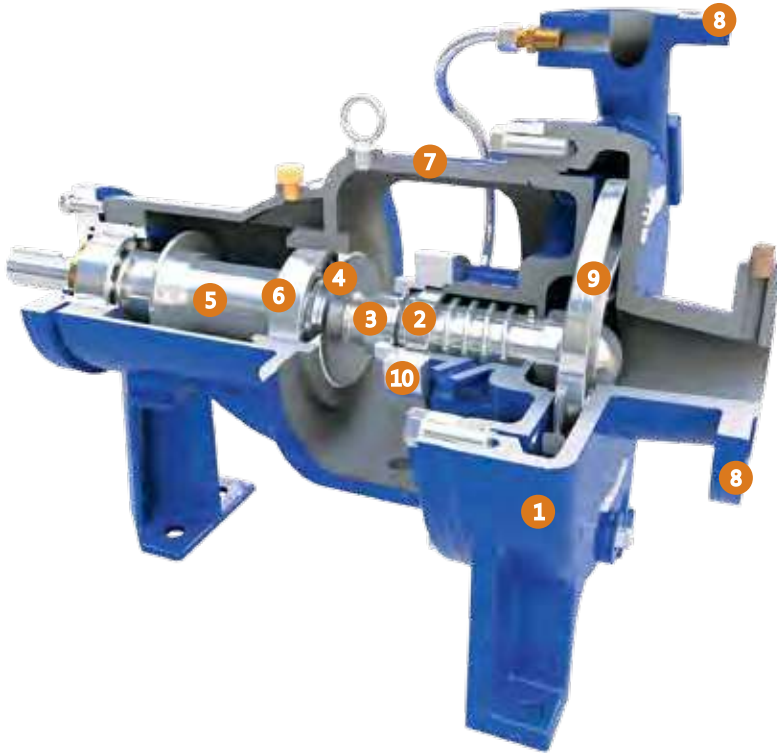
The impeller is adjustable externally by a mechanism that allows correcting the impeller gap, reducing maintenance time and costs.



OPTIONAL FEATURES

- Convertible Frame: Grease lubricated cooling
- Seals According to Customer
- Requirements: Packing Seal, Cartridge Mechanical Seal, and Mechanical Seals Type 1 and 9
- Replaceable Standard Shaft Sleeve

Characteristics



-Images for illustration purposes not actual construction.

PERFORMANCE DATA

Capacity	up to 227 m ³ /h	1,000 U.S. gpm
Head	up to 128 m	420 ft
Pressure	up to 26 bar	375 psig
Temperature	0 °C to 260 °C	32 °F to 700 °F

Note: For pump operation outside this range, please contact a Ruhrpumpen representative.

- 1** CASING. Top centerline discharge, foot mounted. Self-venting.
- 2** SEAL. Packing seal as standard. Mechanical Seal Type 1 and 9 as optional.
- 3** SHAFT SLEEVE. Hook type free to expand with temperature variation. Extends through gland. With sleeve construction, shaft is isolated from contact with liquid by Teflon coated O-ring. Keyed to shaft.
- 4** SEALED BEARING CHAMBER. Inboard and outboard seals protect bearing reservoir from contamination by moisture or outside liquids.
- 5** PUMP SHAFT. Heavy duty shaft standard for minimum deflection (Maximum .002").
- 6** SHAFT BEARINGS. One-piece shaft. Inboard bearing single row deep groove. Outboard bearing locked double-row deep groove angular contact for lowest end play.
- 7** FRAME. Rugged one-piece frame precision bored from one end for perfect concentricity. Full 360 degree protected register direct-fit to casing assures positive alignment of rotating assembly.
- 8** FLANGES. Raised Face and Flat Face flanged connections. Discharge flange sizes 6" to 12".
- 9** IMPELLER. Semi open balanced type with large flow passages contoured for outstanding solids handling and low NPSH. Repelling vanes reduce stuffing box pressure and prevent solids from accumulating behind the impeller.
- 10** PACKING BOX COVER. Packed box has 2-bolt plain or quench gland and in-out connections to lantern ring. Sealed box has 4-bolt seal flanges with full 360 degree register fit protected by confined gasket.

DESCRIPTION

- Horizontal overhung single stage
- Semi opened impeller
- ANSI/ASME B73.1-2001 dimensionally compliant
- Foot mounted
- End suction configuration
- Radially split
- Flanged connections
- Clockwise rotation
- Modular design concept
- Back Pull-Out configuration

APPLICATIONS

- Chemical
- Pharmaceutical
- Metal Workings
- General Industry
- Automotive
- Food Processing
- Power Generation
- Water & Waste Treatment
- Mining
- HVAC

BENEFITS

- Easy Replacement
- Parts Interchangeability
- Less maintenance period through Double Row Bearings
- Alignment Assured
- Wide Range Liquid Handling

+65 years creating the pumping technology that moves our world

Ruhrpumpen is an innovative and efficient pump technology company that offers highly-engineered and standard pumping solutions for the oil & gas, power generation, industrial, water and chemical markets. We offer a broad range of centrifugal and reciprocating pumps that meet and exceed the requirements of the most demanding quality specifications and industry standards such as API, ANSI, UL, FM, ISO and Hydraulic Institute.

Ruhrpumpen Plants

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-  BRAZIL, Rio de Janeiro
-  CHINA, Changzhou
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-  GERMANY, Witten
-  INDIA, Chennai
-  MEXICO, Monterrey
-  RUSSIA, Moscow
-  UK, Lancing
-  USA, Tulsa

-  Manufacturing plant & service center
-  Service center