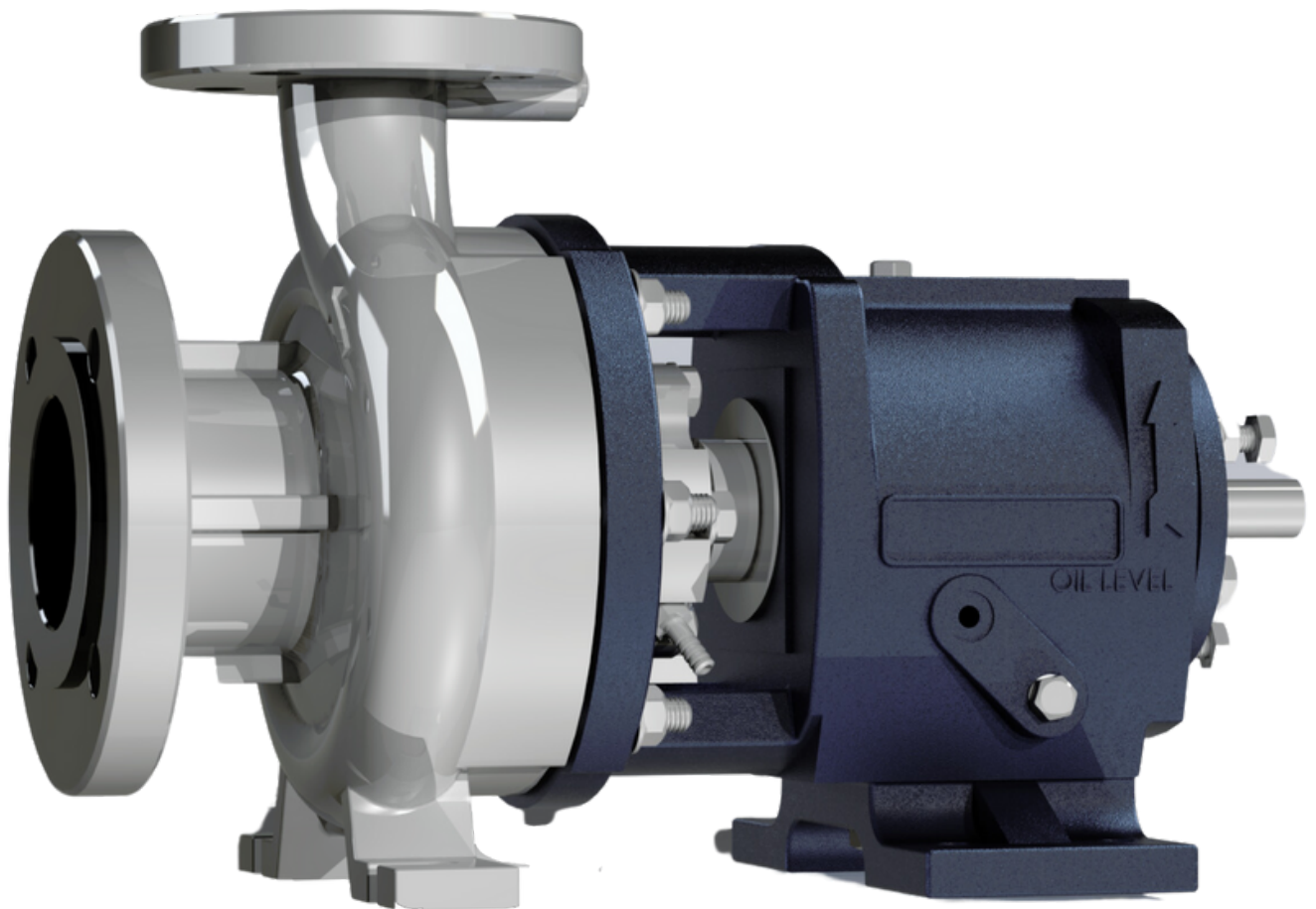


Product Catalog

ANSI Process Pumps 'ACP'



**WEL-TECH
EQUIPMENTS PVT LTD**

Centrifugal Process Pumps

Overview

Our Company

Manufacturer

of centrifugal process pumps with utmost quality standards and wide range of pumping solutions for any customer needs sets us apart as one of the most established manufacturer in India.

Strict

quality standards and our drive to develop the most power efficient pumping solutions have centralized us as the most diverse and efficient manufacturer with products available in all segments from simple water transfer pumps to strict FDA certified Pumping solutions in chemical and pharmaceutical industries.

Based in

Ahmedabad, Gujarat, India

With

service support across the globe through various and well connected suppliers and dealers, our global footprint allows us with a wide network of business and supply. We can supply spares and pumps within a small time frame to ensure a steady drive in your business with lowest possible downtime.

We pride in

our customer support and always on hand approach, marketing teams are guided and offer support anytime anywhere. We do not believe in routing our customers through various channels for sales and support.

The contact

you save is the contact you will call for all your needs.

ANSI Centrifugal Process Pumps "ACP"

Your One Stop Solution for all pumping needs!

Designed according to the ANSI B73.1 M standards, ACP type pump offers you a range of pumps for a range of needs, with interchangeable parts for a worry free maintenance and a steady supply of spares for your needs.

All "ACP" Series are Manufactured Through State of the art Investment Casting process for reliable and uniform parts

The pump has a wide range of shaft sealing options, varying from gland packing to balanced cartridge double seal. Standard and heavy duty bearings are available, either grease or oil lubricated.

ACP Series represents a range of horizontal centrifugal pumps suited for handling low-viscosity, clean or slightly contaminated liquids. The pump is designed to ANSI B73.1M ; however the number of available types is somewhat larger, which provides a wider hydraulic field requirement coverage.

A characteristic of the ACP Series is the large number of material, shaft seal and bearing system options. The modular design offers maximum interchangeability between the variants. Hence ACP Series is able to handle most pump duties. If more sophisticated components are required, only the relevant bearing or shaft seal module needs to be replaced with the one having the right specifications.

Product Application & Key Features

Key Features

- Available in many MOCs, for industrial, food grade to pharmaceutical and petroleum standard approved metals.
- Fully Open Impellers design with back vanes to reduce hydraulic loads on stuffing box and shafts and sealing.
- Back-pull out design, for easy maintenance and repairs
- Specially designed with corrosion avoidance, making the pump an easy choice for chemical applications
- Sturdy and Heavy Duty Bearing Housing for longevity and reliability.



Fully Open Impeller with Vane Support

Industrial Usage

Designed in compliance with the industrial standard ANSI B73.1M and available in several materials with multiple gland and seal types make it the go-to choice for industrial uses.



Heavy Industrial Purpose Uses

Pumps available for heavy industrial usages ranging from Chemical industries, Petrochemical industries, Pulp and paper industries, Food, Textile, Pharma, Pollution Controls.



Chemical Industries

Petro-Chemical Industries



Textile Industries

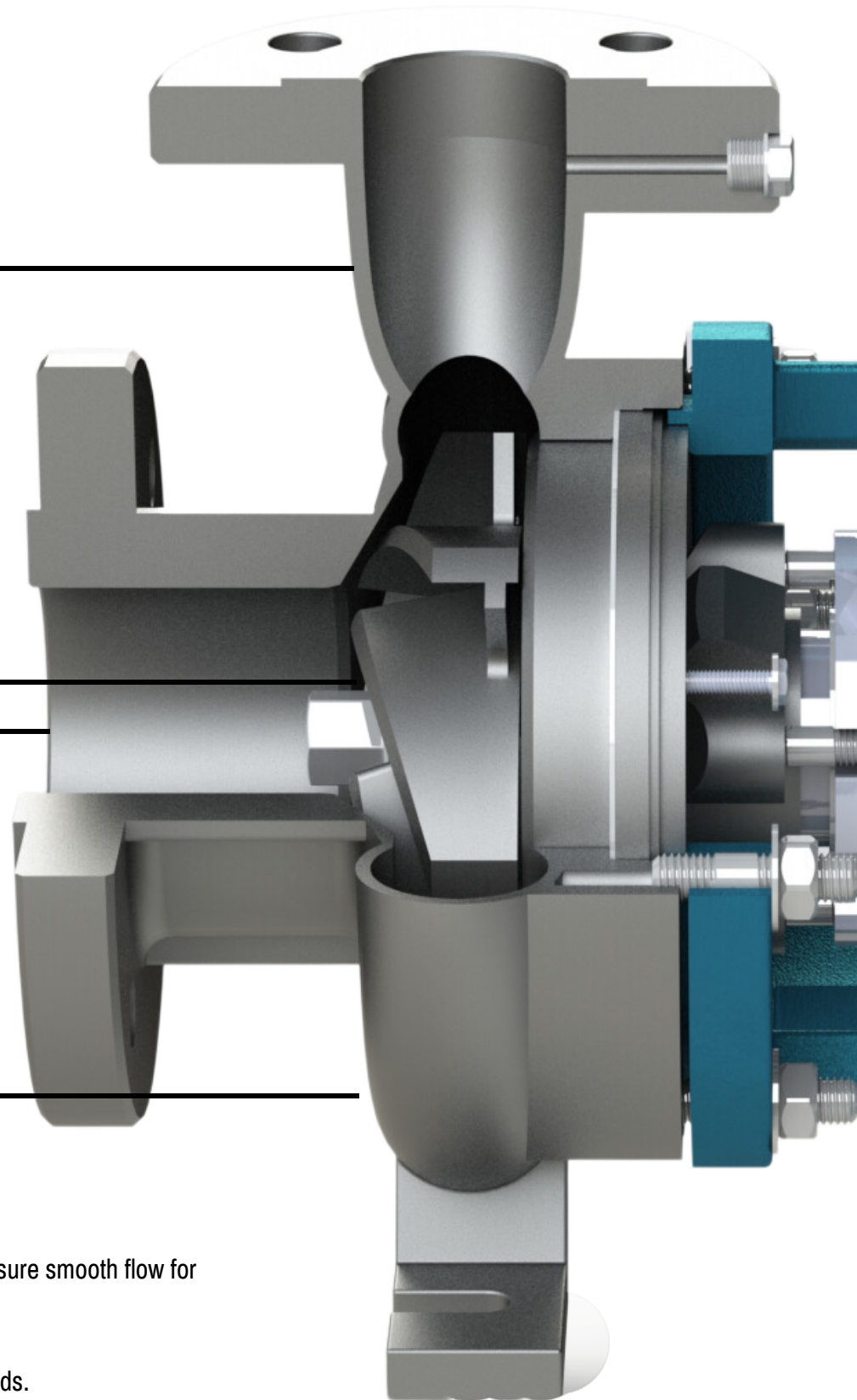
Feature View

Pump Casing:

- Designed for higher Sp Gr, Consistency and Density liquids.
- The casing is designed to provide smooth volumetric flow.
- IC Casting for the perfect finish.

Pump performance:

- Specially engineered for ANSI Pump requirements.
- Best suited for Pharma, Chemical and Dye industries.
- Designed with Higher Efficiency in mind.



Impeller Design:

- Specially designed impeller with unique expeller features.
- Reroutes higher consistency liquids away from the stuffing box.
- Ample spacing between vanes to curb choking issues.
- IC Casting for the perfect finish

Suction capabilities:

- Suction Design based on CFM/CFD to ensure smooth flow for optimum NPSH
- Near Zero Flow Distortion
- Flanges according to ANSI B73.1 Standards.

Feature View

Ball Bearings:

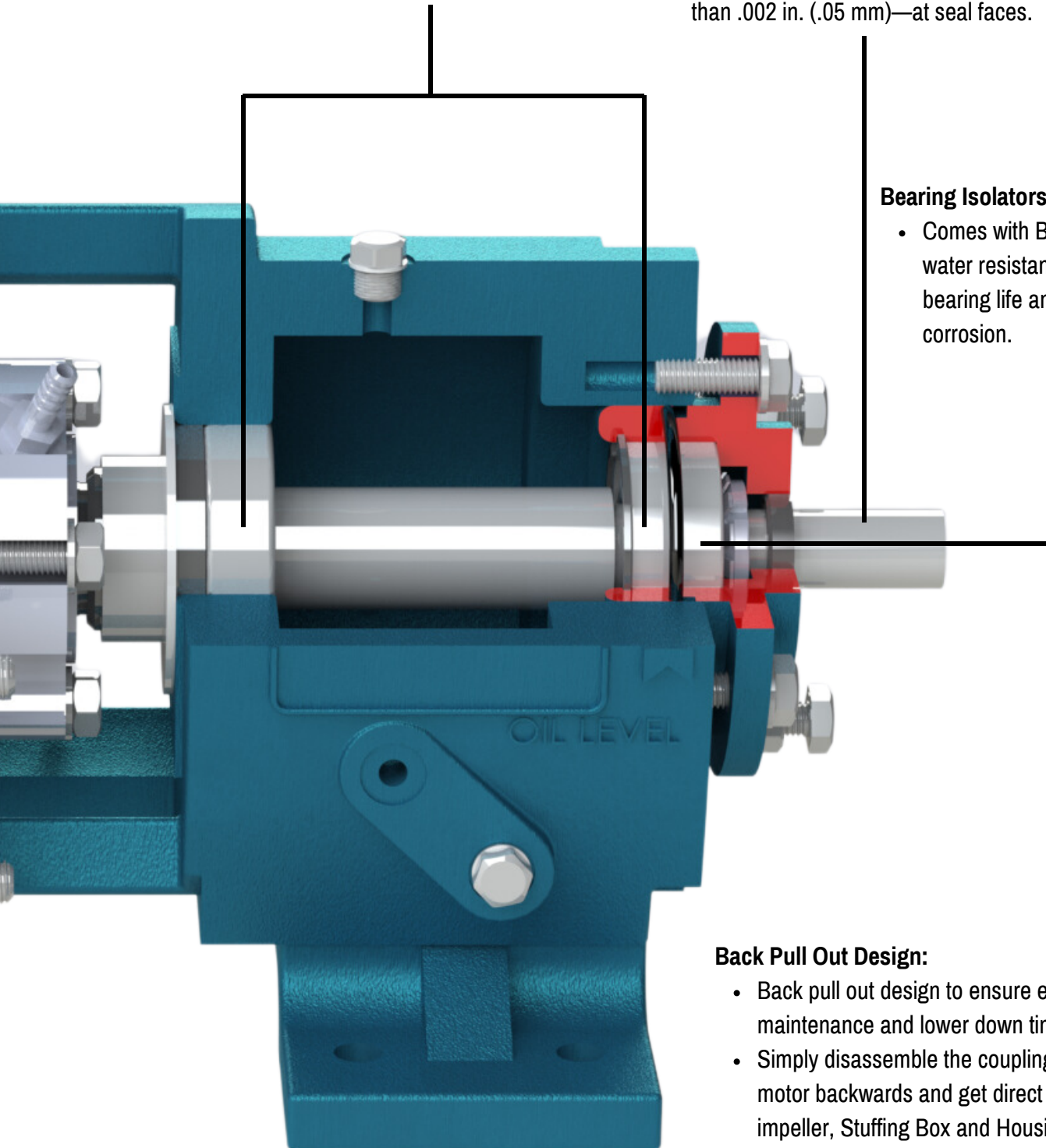
- 2-deep groove ball bearings sealed for life or oil lubricated double row angular contact bearing and roller bearing greased for re-lubrication or oil lubricated

Shaft:

- Shaft designed for minimum deflection— less than .002 in. (.05 mm)—at seal faces.

Bearing Isolators:

- Comes with BI technology IP66 water resistance for longer bearing life and near-zero corrosion.

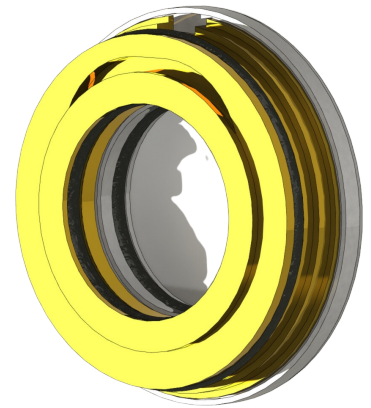


Back Pull Out Design:

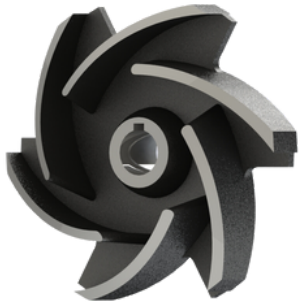
- Back pull out design to ensure easy maintenance and lower down times.
- Simply disassemble the coupling, move the motor backwards and get direct access to the impeller, Stuffing Box and Housing for repair, replacement or maintenance.

Salient Features

- Increase reliability of rotating equipment.
- Bearing isolator permanently protect rotating equipment from lubrication loss.
- Prevent contamination such as dust, dirt, water, & chemical into bearing housing.
- This contamination premature wear & damage to the bearing, leading to pump failure.
- Less maintenance interventions & fewer spare part replacement.
- Protect the environment by reducing risk of leaks & spills caused by pump failure.

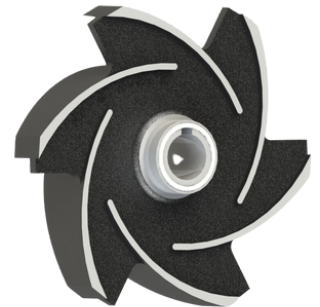


Bearing Isolator

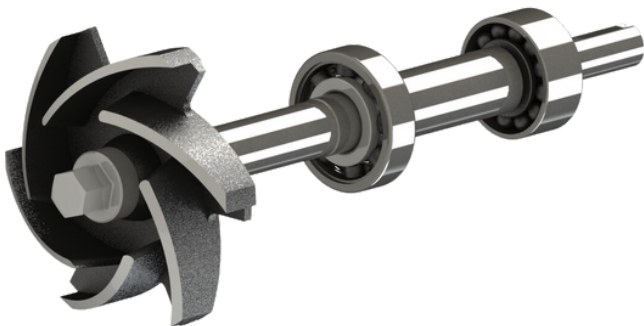


Impeller

- Precision cast semi open impeller for handling liquids containing solids, fibres, and dirt.
- Standard back vanes or balance holes to reduce axial thrust and seal chamber pressures for extended bearing and seal life.
- These vanes are curved in a backward direction, making the fluid flow in a radial direction.
- Key driven for maximum reliability; eliminates spinoffs due to reverse rotation during start up.



Expeller



Shaft with Bearing

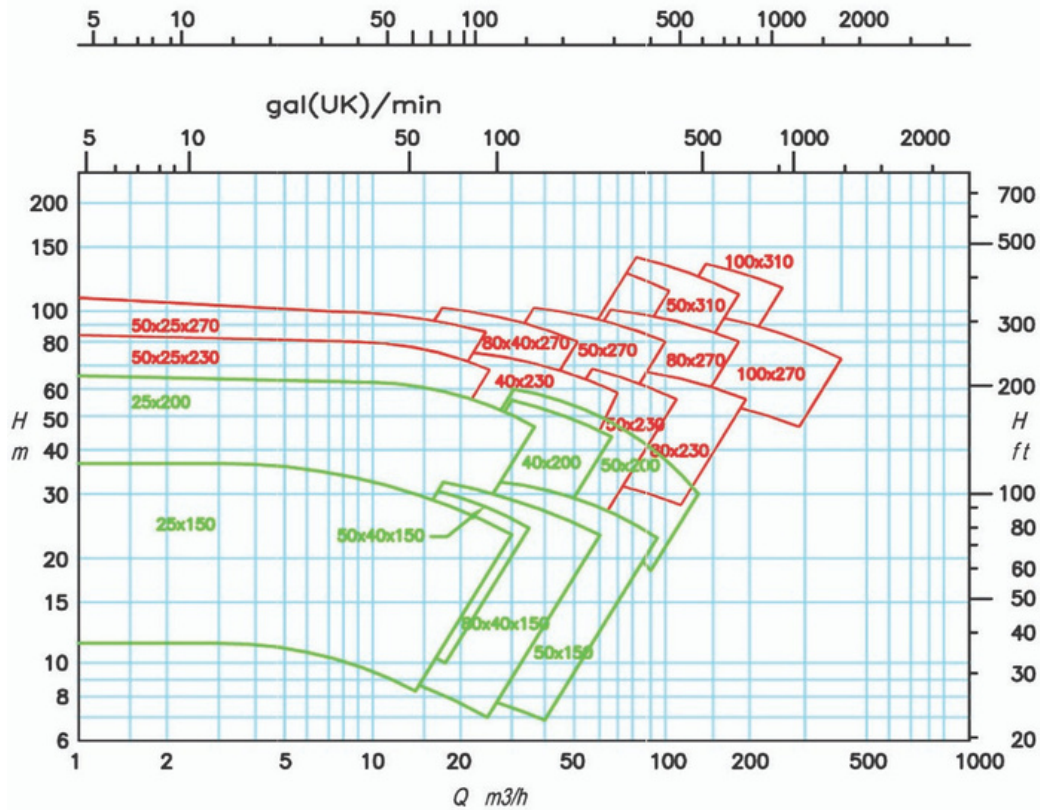
- Premium bearings using improved tolerance and cleaner steel provide reduced assembled runout and longer bearing life.
- The rugged shaft and bearing combination maintain shaft deflection of less than 50 μm at all operating points. The result is longer seal and bearing life.
- Oversized shaft with double row thrust bearings provide increased life by 40%.
- High purity steels have fewer inclusions than standard steel – better grain structure and wear resistance.
- Heat treatment of bearing elements to stabilization levels provides superior thermal stability for increased service life.

Technical Data

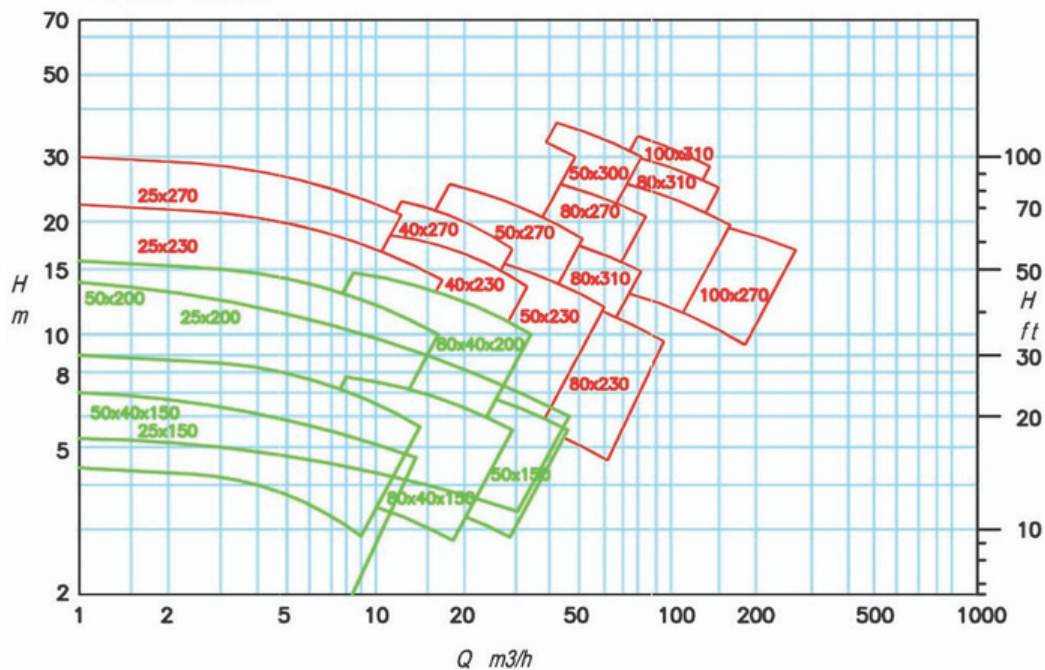
Technical Specs

Max Capacity 350 m³/Hr
Max Head 150 m
Max Working Pressure 2550kPa (25.5 Bar)
Max Temperature - 210 to 260 °C
Max Speed 3600 rpm

2900 RPM



1450 RPM



Our Design Insights

Product Testing

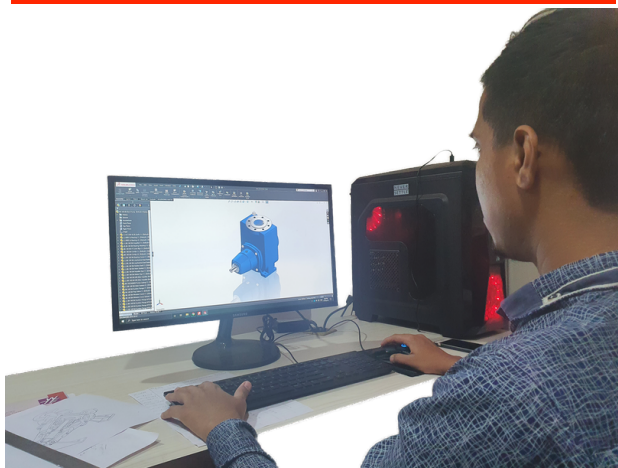
Everybody Knows This, You cant sell a product in which you dont trust.

Neither do we.

With our inhouse performance test facility, we sell what we believe has worked and designed with utmost precision. Perfect selection and test certificates ranging from Material Certification to Performance Results, everything is available to our customers at a moment's Notice.

Infact, our customers can arrange a visit to our production facility for onsite testing whenever they please.

We are'nt just giving you products, we provide trust.



Product Design

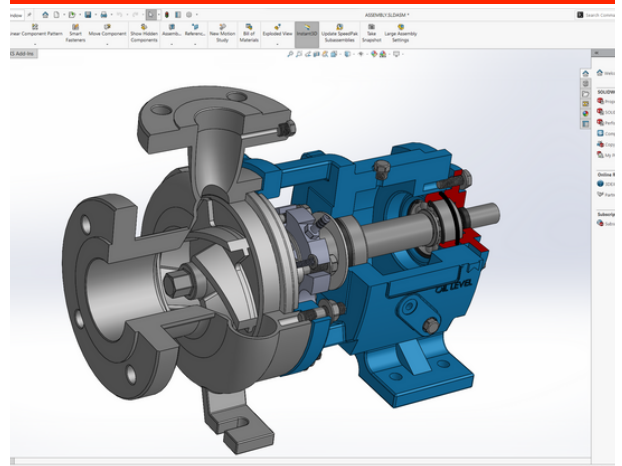
Nobody likes a product that doesnt seem reliable and well designed.

Neither do we.

With Solidworks 3D Design software and CSWA & CSWP Certified Personnel, we have upped the game of our design strategies with amazingly detailed Research and Simulation runs on our individual products with amazing degree of finess.

It saves us time and you as our customer, from buying a faulty product.

Our design team works closely with the customer for enhanced support and pre-install troubleshooting.



Wel-tech Equipments PVT LTD

**Address: Plot No. 57/9 Phase 1, near Kiran Industries,
Vatva GIDC, Vatva, Ahmedabad, Gujarat, India. 382445**

**Email: hiteshramoliam34@gmail.com,
marketing@weltechpumps.com**

Phone: 8238996993, 9925040029, 9825328937