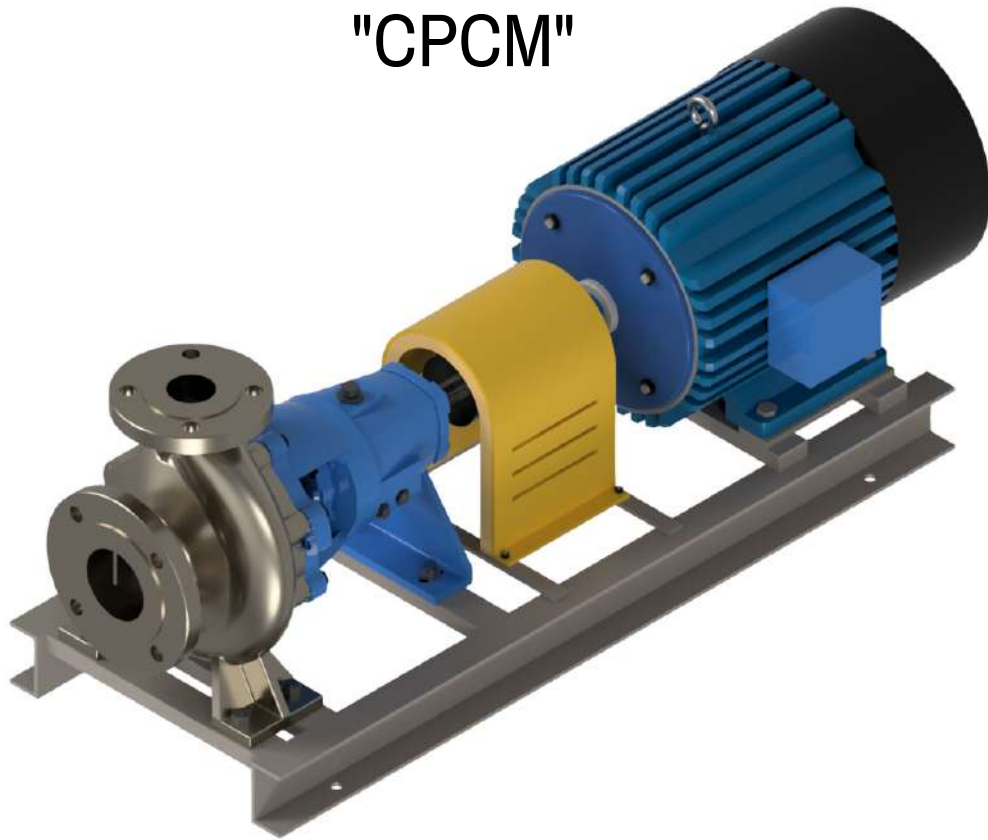


# Product Catalog

## Centrifugal Process Pump Type "CPC" & "CPCM"



**WEL-TECH  
EQUIPMENTS PVT LTD**

Centrifugal Process Pumps

## 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.

## Centrifugal Process Pumps "CPC"

Your One Stop Solution for all pumping needs!

Designed according to the EN733 (Din 24256) standards,  
CPC 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.

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.

CPC Series represents a range of horizontal centrifugal  
pumps suited for handling low-viscosity, clean or slightly  
contaminated liquids. The pump is designed to EN 733  
(DIN 24256); however the number of available types is  
somewhat larger, which provides a wider hydraulic field.

A characteristic of the CPC Series is the large number of  
material, shaft seal and bearing system options. The  
modular design offers maximum interchangeability  
between the variants. Hence CPC 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.

The Back Pull Out design greatly facilitates maintenance  
of the CPC Series. Thanks to the similarity between the  
structural parts, the stock of spare parts can be limited.



# Product Application & Key Features

## Key Features

- Available in various materials
- Only 5 Shaft Groups for the whole range allows for a great interchangeability of parts
- Suitable for a wide range of duties
- Mechanical seals according to the EN 12756 (DIN 24960)
- Available in Gland Packing & Mechanical Sealing Options.
- Single & Double Cartridge Seal Options
- Oil or Grease Lubrication for Ball Bearings
- Back Pull-Out Design for easy maintenance saving a lot of time
- Parts are always available for immediate servicing and lowest downtime of your plant
- easy maintenance design



## Industrial Usage

Designed in compliance with the industrial standard EN 733 (24255) and available in several materials with multiple gland and seal types make it the go-to choice for industrial uses.



## General Purpose Uses

Applicable in Utility Buildings as General Duty Pumps, Circulation Pumps and heating Systems along with water purification plants as well.



## Agricultural Usages

## Building Water Transfer



## Marine Applications

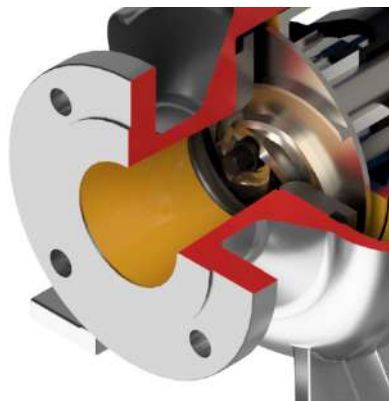


## Pump casing:

- flanges according to ISO 7005 PN 10 / PN 16
- max. working pressure 1000 kPa (16 bar)
- wide range of applications
- large drain opening for complete and fast draining of the Casing

## Pump cover:

- flat gasket, fully chambered
- no gasket blow-out
- machined fits
- integrated stuffing box/ mechanical seal chamber
- perfect alignment of all components

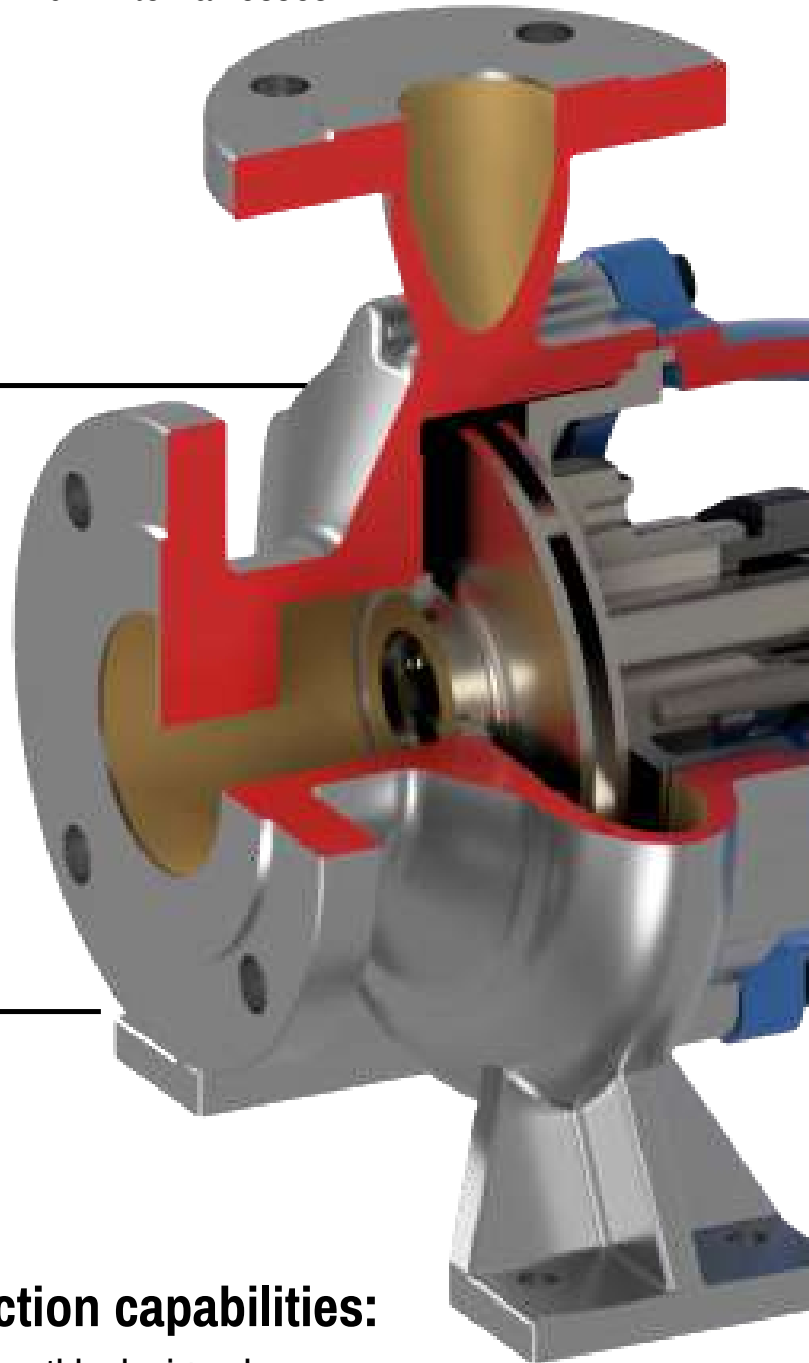


## Impeller Choices:

- closed impeller with casing wear ring
- half-open impeller with wear plate

## Pump performance:

- optimised volute design for high efficiency
- smooth surfaces
- minimum internal losses



## Suction capabilities:

- Smoothly designed suction entry for optimum NPSH
- minimal flow distortion giving better suction capabilities

## Oil lubrication:

- breather / filling plug on top
- oil bath
- oil sight glass
- constant level oiler
- Large drain plug

## 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

## Easy and low cost maintenance:

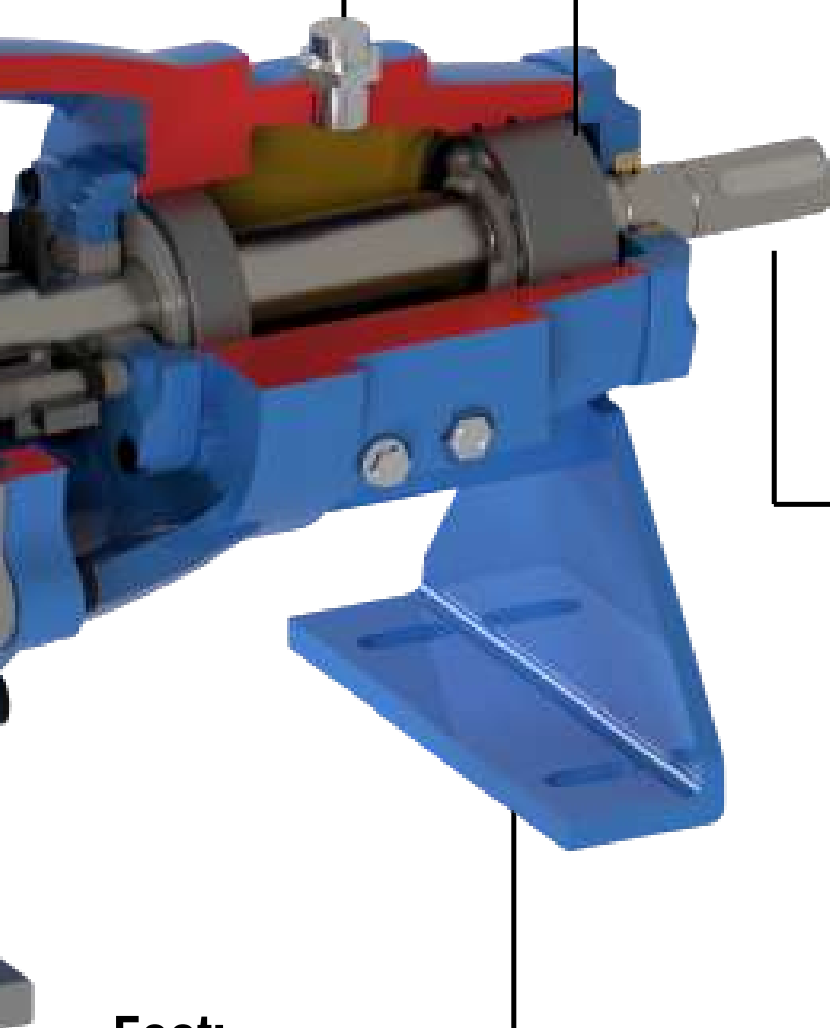
- Back Pull Out principle
- reduced maintenance downtimes, quick and easy impeller replacement
- reduced maintenance costs
- cartridge seals
- changeable wear ring
- reduced maintenance cost

## Shaft:

- steel alloy or stainless steel shaft
- rigid, reliable shaft
- most seal options with shaft sleeve (extended impeller key ensures co-rotation of the shaft)
- no contact between shaft and pumped liquid when shaft sleeve applied
- Several types of shafts sealing options available according to EN 12756(DIN 24960) Std. including cartridge seals
- Mechanical seal available in option such as quenched mechanical seal or cooling/heating jacket

## Foot:

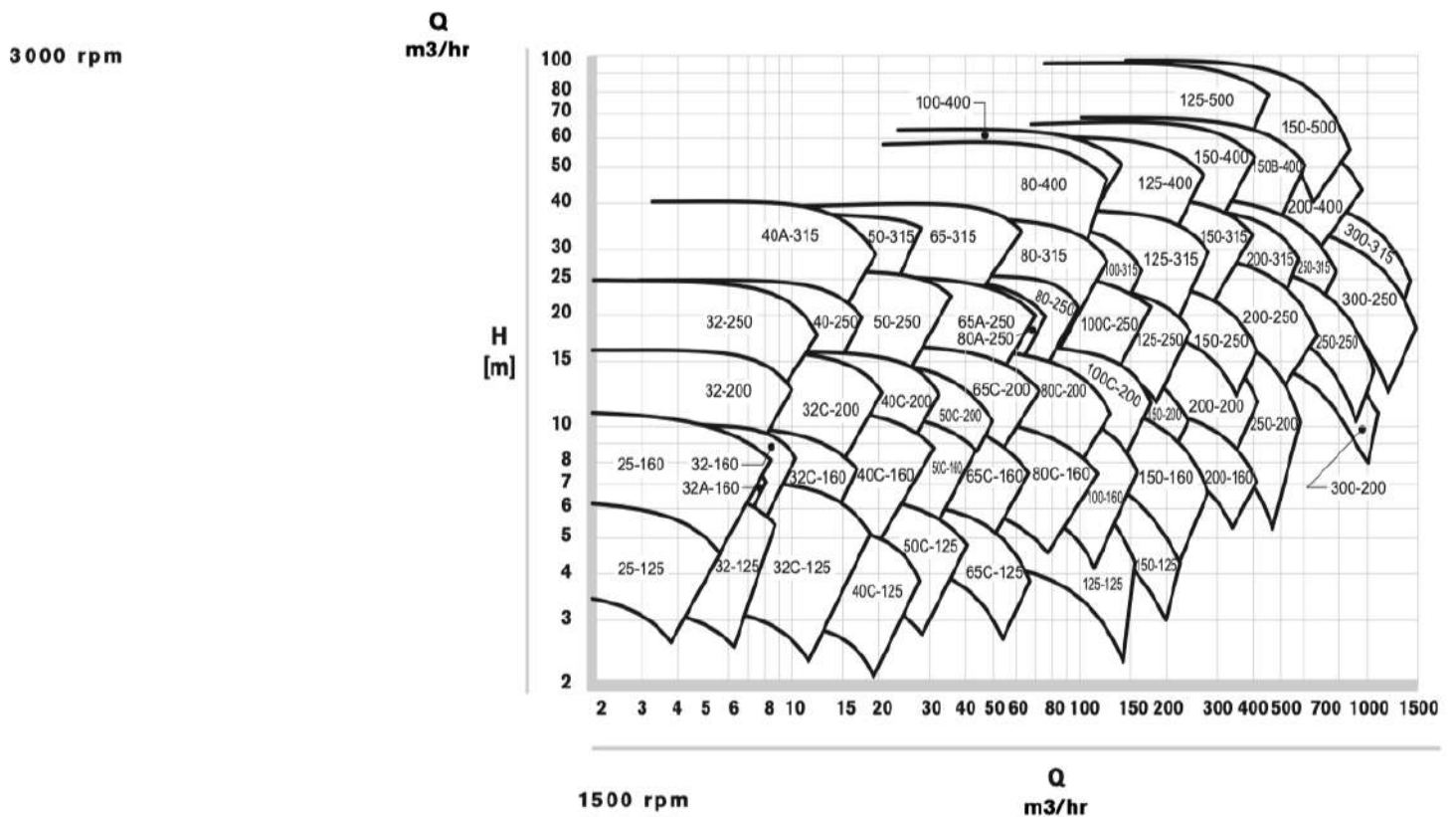
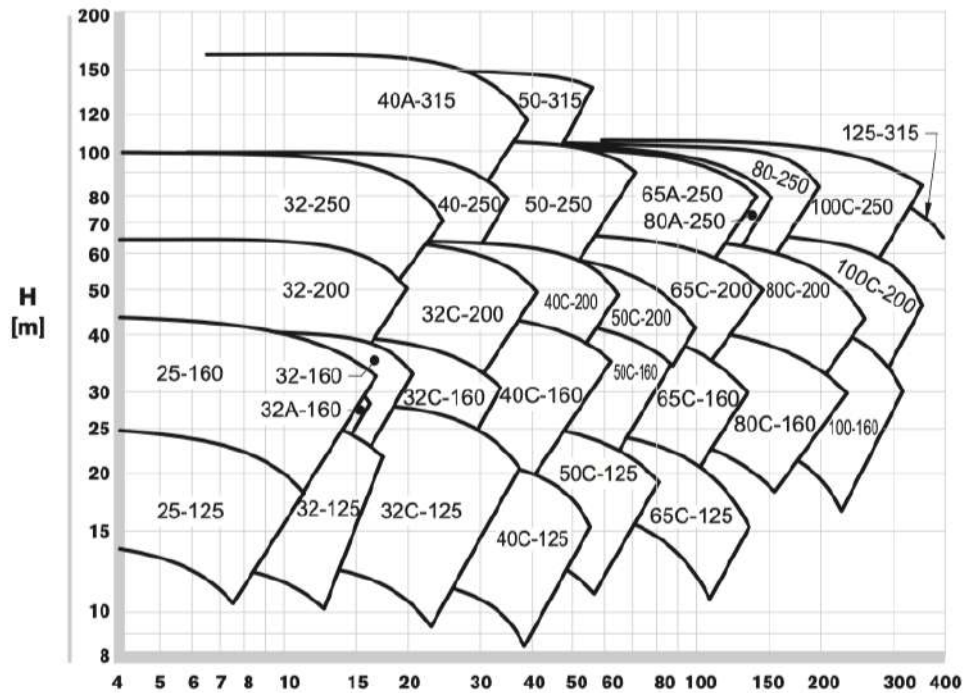
- machined foot
- exact positioning on baseplate and in pipework



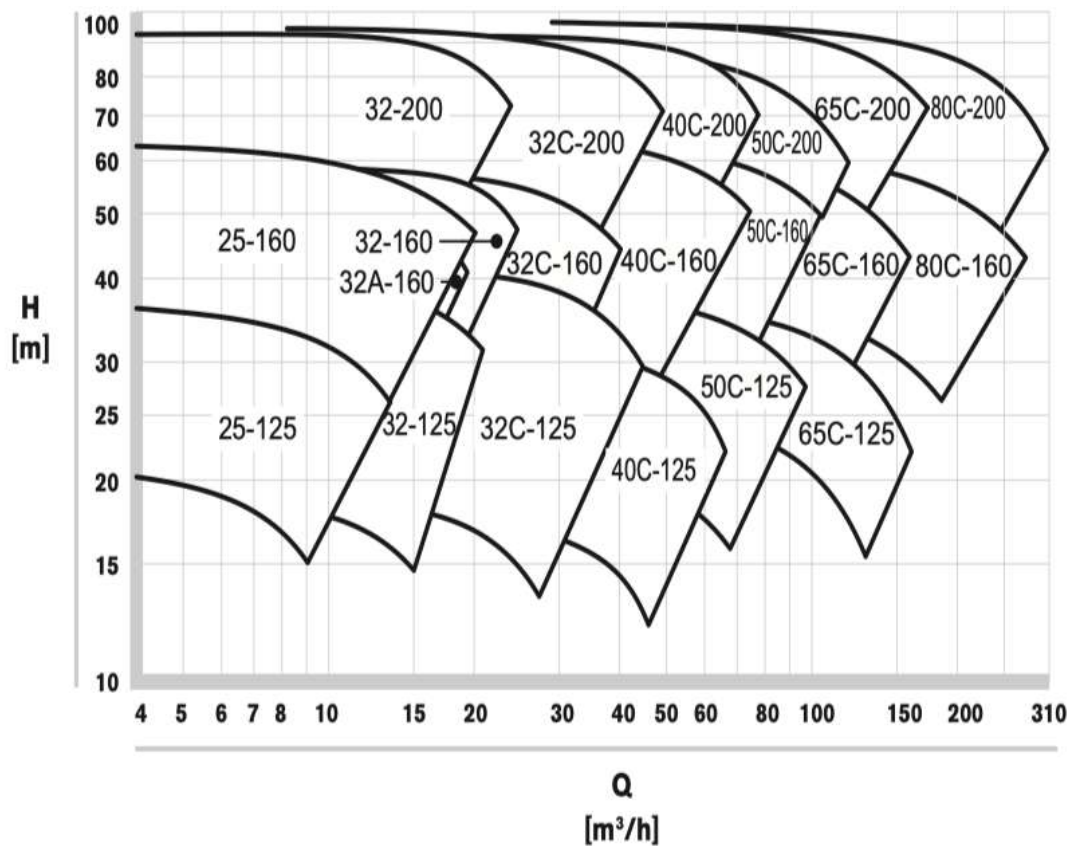
# Technical Data

## Technical Specs

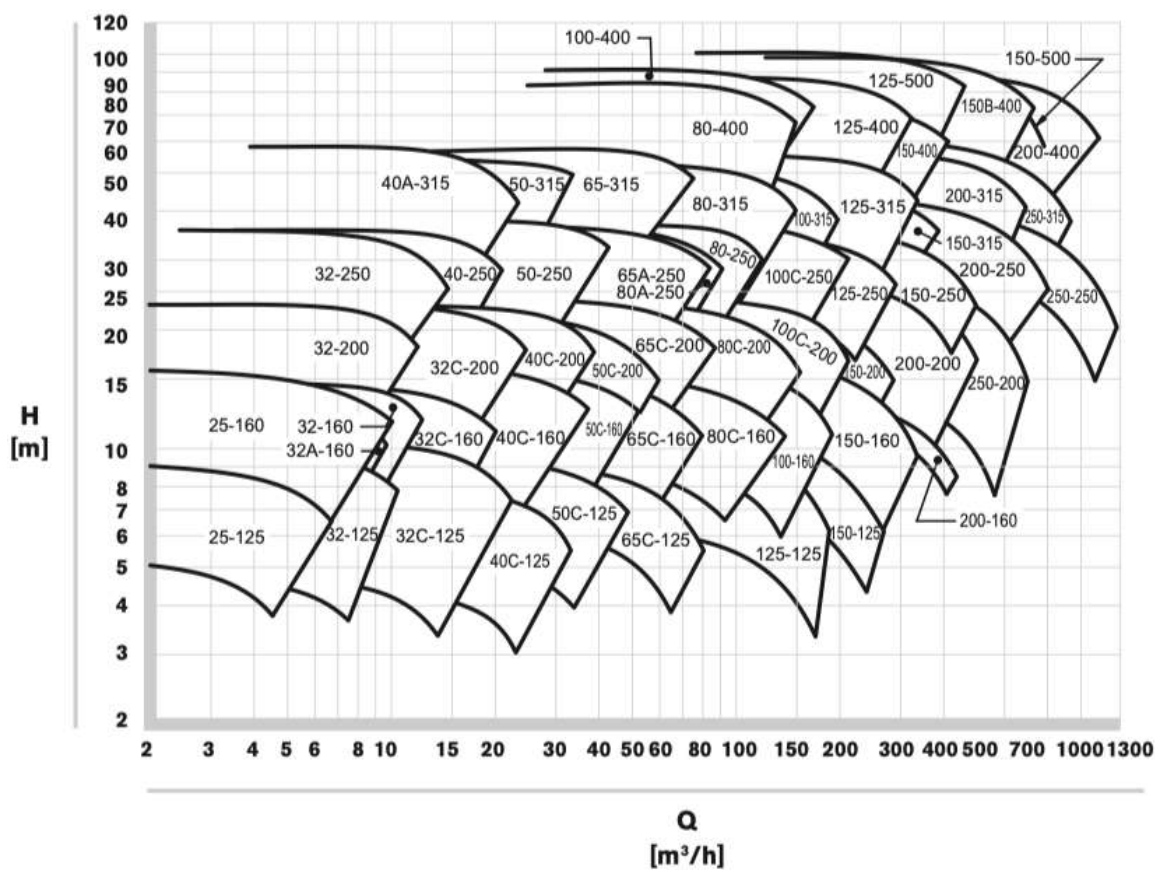
Max Capacity 1500 m<sup>3</sup>/Hr  
Max Head 160 m  
Max Working Pressure 1600kPa (16 Bar)  
Max Temperature 200 °C  
Max Speed 3600 rpm



# Technical Data



3600 rpm



1800 rpm



# Our Design Insights

## Product Testing

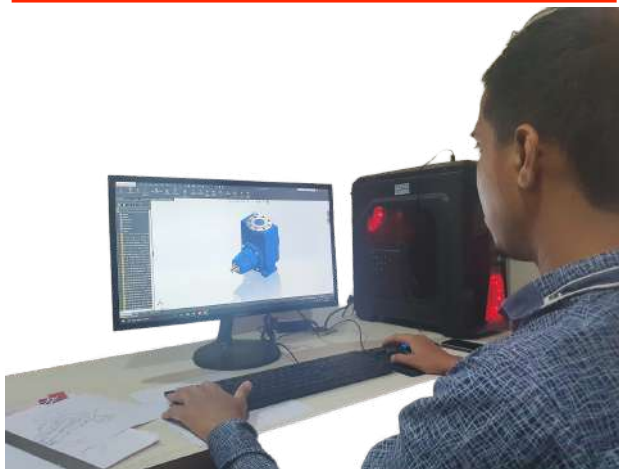
Everybody Knows This, You cant sell a product in which you dont trust.

**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

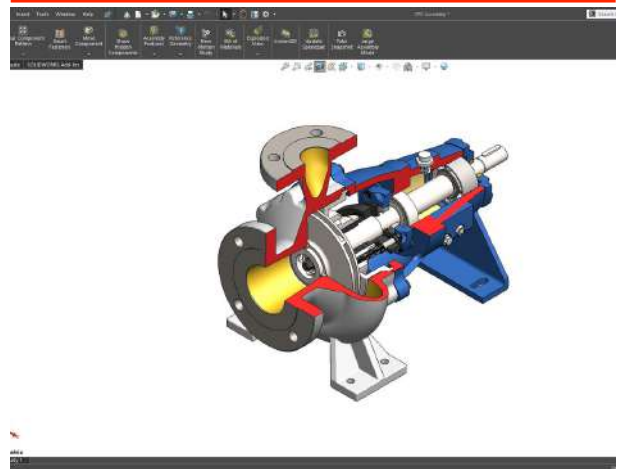
Nobody likes a product that doesnt seem reliable and well designed.

**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 finesse.

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

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[marketing@weltechpumps.com](mailto:marketing@weltechpumps.com)**

**Phone: 8238996993, 9925040029, 9825328937**