

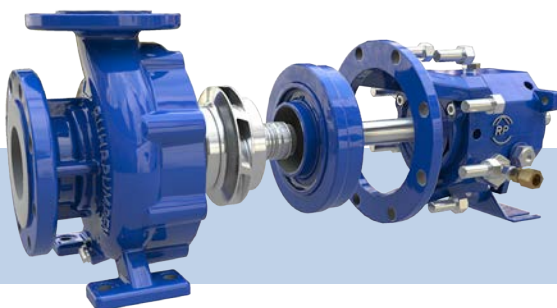
CRP Horizontal Process Pump



CRP Performance Data

Capacity	up to 500 m ³ /h	2,200 gpm
Head	up to 215 m	705 ft
Pressure	up to 16 bar	232 psi
Temperature	up to 400 °C	up to 752°F

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



Back Pull-out Configuration

Description

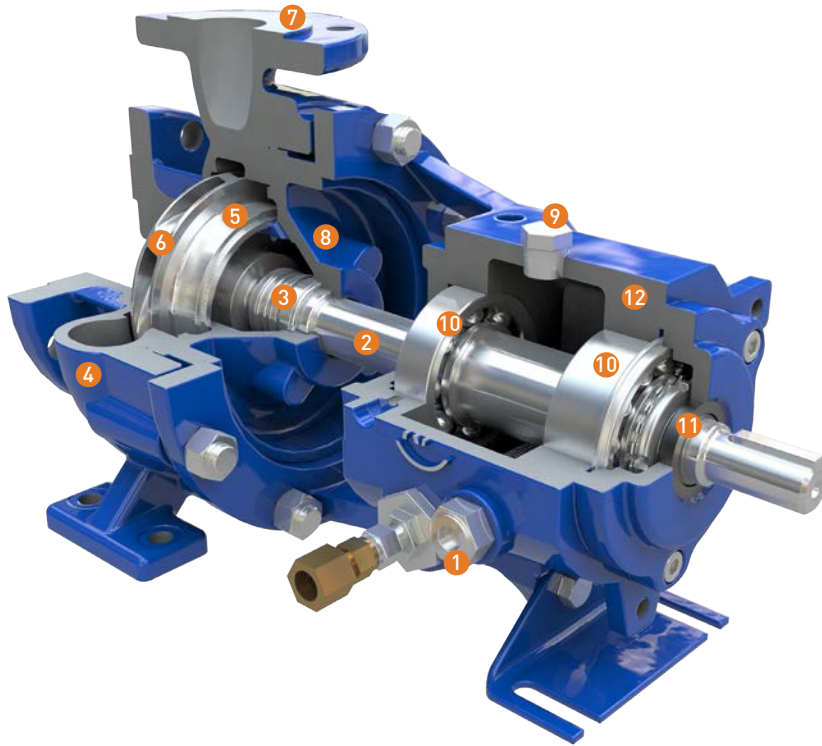
- Fully in compliance with ISO/DIN 2858
- Single stage horizontal centrifugal pump
- Radially split casing with flanged connections
- Horizontal end suction and vertical discharge on the center line
- Foot mounted
- Enclosed impeller
- Clockwise rotation (viewed from coupling end)
- Oil lubricated

Benefits

- “Back Pull Out “ design for ease of maintenance, allows removal of pump assembly without disturbing casing flange connections.
- Optimum Efficiency
- Other materials of construction available
- Mechanical seal can be used
- Compact design

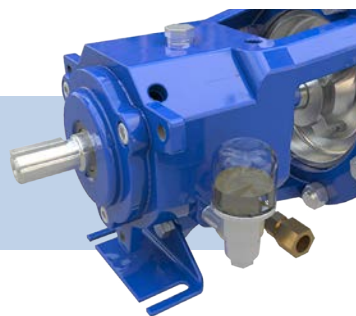
Applications

- Petrochemical
- Oil & Gas
- Steel Industry
- Automotive
- Agriculture
- Tank Farm
- Pulp and Paper
- Chemical
- Semiconductor
- Food Processing
- Power Generation
- Pharmaceuticals
- Water Treatment
- Paper Stock
- Pipeline
- General Industries
- Textile
- Mining



- Images for general arrangement use only, not certified for construction.

Constant Level Oiler as available option



- 1 OIL SIGHT**
Oversized oil sight glass mounted on one side of the bearing unit. Optional constant level oilers
- 2 SHAFT**
316SS solid shaft as standard for extended seal life. Large diameter and short length design to reduce shaft deflection.
- 3 MECHANICAL SEAL**
Standard mechanical seal Type 2100, includes a circlip.
- 4 CASING**
Integrated support feet cast minimizes alignment problems caused by the case movement due to temperature differences between operating and ambient conditions.
- 5 IMPELLER WEAR RINGS**
Renewable front and back impeller wear rings are optional.
- 6 IMPELLER**
Enclosed impeller design ensures maximum efficiency. The impeller itself is keyed and is positively locked onto shaft and sealed.
- 7 FLANGES**
DIN PN25 y PN16 flange drilling is available based on material selection. RF designs are available based on requirements.
- 8 CASING COVER**
Stuffing box cover for mechanical seal applications, inside or outside, double or single, balanced or unbalanced seals, with any required gland connections.
- 9 VENT PLUG**
Vent Plug as standard. Vent filter optional with oil mist lubrication.
- 10 BEARINGS**
The double row thrust bearing provides minimal shaft end play for extended mechanical seal life.
- 11 SEAL**
Standard Lip/Seal bearing Isolators.
- 12 BEARING BRACKET**
Lubrication
The bearings are oil lubricated as standard. Grease and oil mist lubrications are optional.

Optional Features

- Labyrinth seals
- Constant Level Oiler
- Wear rings in impeller available
- Double mechanical seals can be furnished
- Cooling Coil available
- Bearings grease and oil mist lubrication
- Sleeved shaft optional
- Cartridge seals use four screws fastened to the casing cover.

Materials of Construction

- Carbon Steel
- Cast Iron
- Stainless Steel
- Bronze