

INNOVATION
EFFICIENCY
QUALITY

Standard Pumps Catalog



Manufacturing Plants

Today Ruhrpumpen is a worldwide company, with a network of global manufacturing plants in different countries and regions, and in constant growth with upcoming plants in Brazil, India and China.



WITTEN, GERMANY



BUENOS AIRES, ARGENTINA



TULSA, USA



SUEZ, EGYPT



MONTERREY, MEXICO



ORLAND, USA

Facilities and Service Centers

Ruhrpumpen has Manufacturing Plants, Sales Offices, centrifugal pumps Service Centers and Distributors that provide of customer attention and after sales service all around the world.



For more information, consult our website www.ruhrpumpen.com

Catalog

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Pump

CPP-21



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Vertical In-Line Pump (Close Coupled)

IIL



Vertical Sump Pump

VSP11

CPP 21

ANSI B73.1 Horizontal Process Pump



DESIGN FEATURES

- Single stage horizontal centrifugal pump
- Radially split casing with flanged connections
- Horizontal end suction and top discharge on the center line
- Enclosed impeller
- Clockwise rotation (viewed from coupling end)
- Foot mounted
- Oil lubricated
- ANSI/ASME Standard B 73.1 (OH1).
- "Back Pull Out" design for ease of maintenance, allows for removal of pump assembly without disturbing casing flange connections
- Standard or large bore stuffing box selection allows for use of packing, and all designs of single or double mechanical seals
- Options for high and low temperatures available
- C-Frame available (assures proper alignment and better seal life)

STANDARD CONSTRUCTION MATERIALS

- Ductile Iron / 316 SS
- 316 SS
- Duplex SS
- Alloy 20

OPERATING LIMITS

- Capacity to 5,000 U.S. GPM (1,135 m³ /h)
- Head to 770 ft (235 m)
- Temperature -50 to 600 °F (-45 to 315 °C)
- Maximum Pressure up to 375 PSI (26 bar)

- Petrochemical
- Oil & gas
- Steel industry
- Automotive
- Food processing
- Power generationPharmaceuticals
- Water treatment
- General process

CPP-L

ANSI End Suction Low Flow, High Head Process Pump



- Single stage horizontal centrifugal pump.
- Radially split casing with flanged connections, horizontal end suction and top discharge on the center line
- Circular concentric casing together with a radial vane impeller (semi-open) to minimize shaft deflection and radial loads and thus prolonging bearing and seal life
- Clock-wise rotation (viewed from coupling end)
- Foot mounted
- Oil lubricated
- ANSI std B 73.1 (OH1)
- "Back pull-out" design allows pump disassembly without disturbing pipe connections
- Standard or large bore stuffing boxes are available for packing, single, or double seals. All ANSI flush plans are offered, as needed, in a variety of configurations
- CPP-L utilizes external impeller adjustment to restore pump efficiency and reduce downtime
- C-Frame available (assures proper alignment and better seal life)

STANDARD CONSTRUCTION MATERIALS

- Ductile Iron / 316 SS
- 316 SS
- Duplex SS
- Alloy 20



OPERATING LIMITS

- Capacity up to 210 U.S. gpm (48 m³/h)
- Head up to 920 ft (281 m)
- Maximum Pressure up to 400 psi (27.5 bar)
- Temperature up to 700°F (371°C)
- Discharge flange size 1 to 1.5 in (25 to 38 mm)

- Petrochemical
- Oil & gas
- Steel industry
- Automotive
- Food processing
- Power generation
- Pharmaceuticals
- Water treatment
- General process

Catalog

IVP

Vertical In-Line Pump (Split Coupled)

DESIGN FEATURES

- Split-coupling simplifies maintenance
- Flanged suction and discharge on common centerline
- Designed for working pressures up to 350 PSI
- Fully enclosed, balanced, one-piece Impeller design
- Closed impeller with hydraulic balance which avoids vibration
- Axially Split Coupling which allows an easy access to the mechanical seal with out disconnecting the pump
- Radially Split case
- Stainless Steel pump shaft
- Inside mechanical seal with carbon rotating seat and ni-resist stationary seat. Optional outside balanced mechanical seal available
- Lifting lugs for ease of maintenance
- Seal vent line removes entrained air and ensures liquid at seal faces

STANDARD CONSTRUCTION MATERIALS

Cast Iron/ Stainless Steel



OPERATING LIMITS

- Capacity up to 4,500 U.S. GPM (1,022 m³/h)
- Head to 469 ft (143 m)
- Pressure up to 200 PSI (14 bar)
- Temperature up to 500°F (260°C).

- Fire Service
- Air Conditioning Systems
- Condensed Water
- Ice Water
- Service Water
- Ocean Water
- Building water supply systems

Catalog



Vertical In-Line Pump - Close Coupled (ANSI B73.2 Sizes)



- Meet the dimensional requirements of ANSI B73.2
- Top Pull-Out Simplifies Maintenance
- Protected One-piece Shaft
- Flanged suction and discharge on common centerline.
- Designed for working pressures up to 350 PSI
- Fully enclosed balanced impeller
- Stuffing Box Cover with unique through bolt design
- Optional Wear Rings on all models
- Packing Rings
- Pressure Gauge
- Drain Plug
- SS Motor Shaft Sleeve

STANDARD CONSTRUCTION MATERIALS

- Ductile Iron
- 316 Stainless Steel



OPERATING LIMITS

- Capacity up to 1,300 U.S. GPM (295 m³/h)
- Head to 340 ft (119 m)
- Pressure up to 104 PSI (10 bar)
- Temperature up to 350°F (177°C)

- Petrochemical
- Oil & gas
- Steel industry
- Automotive
- Food processing
- Power generation
- Pharmaceuticals
- Water treatment
- General process
- Commercial HVAC

HSD, HSR & ZW

Horizontal Split Case Pumps Single Stage



- Single stage double suction horizontal centrifugal pump
- Horizontally split casing, double volute
- Flanged connections
- Enclosed impellers, double suction provides hydraulic balance eliminating axial thrust
- Clockwise or counterclockwise rotation
- Double ended shaft available
- Foot Mounted
- Oil or grease lubricated bearings
- Stuffing box configured for packing or mechanical seals
- Horizontal or vertical mounting configurations
- Renewable wear rings

STANDARD CONSTRUCTION MATERIALS

- Cast iron / Bronze Fitted
- All Iron
- Cast Iron / Stainless Steel



OPERATING LIMITS

- Capacity to 40,000 U.S. GPM (9,000 m³/h)
- Head to 1,115 ft (340 m)
- Pressure to 298 PSI (20 bar)
- Temperature 50 to 300°F (10 to 150°C)

- Dewatering
- Mining
- Water
- Fire service
- Cooling towers
- Municipal
- Oil process
- Petrochemical
- Sugar industry
- Paper industry
- Pipeline
- Power generation

NE

Submersible Pump for Sewage



DESIGN FEATURES

- Operating Temperatures to 104°F
- Cast iron wetted parts submersible for waste water applications
- Suction and discharge nozzles offered up to 6"
- Cast Iron semi-open impellers for handling solids to 3" in diameter
- Double mechanical seal, oil lubricated within a balanced pressurized oil chamber
- Control panels available single and three phase with float switch
- Cast Iron Body
- Humidity sensor available for the 4" and 6" discharge sizes
- Motors from 1/3 HP to 60 HP
- Temperature sensor available
- Immersed in oil motor

STANDARD CONSTRUCTION MATERIALS

Cast Iron

OPERATING LIMITS

- Capacity up to 2,200 U.S. GPM (227 m³/h)
- Head to 240 ft (73 m)
- Discharge Flange up to 6" (15 cm)
- Temperature up to 104°F (177°C)

- Waste water with up to 3" solids
- Septic Tanks
- Irrigation
- Manure handling
- Drainage
- Ground water control

VTP

Vertical Turbine Pump



- Multistage vertical centrifugal pumps with diffuser type bowl
- Semi-Open / enclosed impellers
- Counterclockwise rotation viewed from coupling end
- Basket or conical strainer

BOWLS ASSEMBLIES

- Cast iron bowls
- Stainless Steel Impellers
- 416 SS shafting
- Integral cast wear surfaces with optional wear rings in bronze or SS
- Optional materials available on request

COLUMNS

- Carbon steel pipe threaded or flanged
- AISI–1045 carbon steel or 416 SS line shafting
- Optional materials available on request

DISCHARGE HEAD

- Cast Iron with 125# ANSI FF flanges
- Fabricated steel with 150# or 300#
- Optional custom fabricated discharge head to meet your criteria



BEARING MATERIAL

- Bronze as standard
- Other materials and configurations available as options

OPERATING LIMITS

- Capacity to 3,725 U.S. GPM (846 m³ /hr)
- Head to 220 ft (67 m)
- Pressure to 95 PSI (7 bar)
- Temperature 250°F (121°C)

- Deep well and irrigation
- Cooling tower
- Sump
- Condensate
- Can pump requirements

Catalog

VSP

Vertical Sump Pump



- Vertical arrangement
- Sump
- Single suction
- Single stage
- Volute type case flanged and threaded discharge
- Extensions for pit depth to 20 ft
- Flexible coupling standard design
- Cast iron motor support for standard frame NEMA C
- Steel cover plate
- 416 stainless steel shaft
- Cast iron casing
- Adjustable, semi open impeller cast iron and stainless steel
- Grease lubricated line bearings with bronze bushings as standard
- Steel basket strainer

OPERATING LIMITS

- Capacity to 8,500 U.S. GPM (1,932 m /hr)
- Sump Depth 20 ft (6 m)
- Pressure to 175 PSI (13 bar)
- Temperature 400°F (204°C)



- Sump Drainage
- Flood Control
- Air Wash Systems
- Power Plants
- Industrial Processes
- Condensation Control
- Pollution ControlDewatering Service
- Process Plants
- Utility Service
- Building Installations

- Construction Projects
- Municipal Systems
- Sewage Lift Stations
- Underpass Drainage
- Waste Treatment Plants
- Paper Industry
- Industrial Processes
- Chemical Industry
- Wet pit
- Water treatment





RUHRPUMPEN PLANTS

GERMANY, Witten

USA,Tulsa & Orland

MEXICO, Monterrey

EGYPT, Cairo

INDIA, Chennai

BRAZIL, Rio de Janeiro

ARGENTINA, Buenos Aires



