



Specialist for Pumping Technology



SWP

**Self-priming pump for solids handling
applications**

SWP

Self-priming pump for solids handling applications

+75 years developing the pumping technology that drives progress

Ruhrpumpen is an innovative and efficient pump technology company that offers highly engineered, custom made solutions for fire systems, oil & gas, chemical processing, power generation, industrial applications and water.

Implementation of cutting-edge technology and world-class engineering, combined with our unique vertically integrated structure, allows Ruhrpumpen to design complex technical solutions, creating the most robust and powerful pump systems in the marketplace.

Our broad product line complies with the most demanding quality standards and industry specifications such as Underwriter's Laboratories (UL), Factory Mutual (FM), National Fire Protection Association (NFPA), American Petroleum Institute (API), American National Standards Institute (ANSI), ISO and Hydraulic Institute.

Products Include:

- Single stage overhung pumps
- Vertical in-line pumps
- Single and multi-stage between bearing pumps
- Multi-stage vertical pumps
- Reciprocating plunger pumps
- Sealless magnetic drive pumps
- Fire protection systems
- Pitot tube pumps
- Hydraulic decoking systems
- Horizontal pumping systems

SWP Self Priming Pumps

The SWP line is a self priming pump that can handle clear liquids or with solids. Its large volute design allows automatic repriming in a completely open system without the need for suction or discharge check valves.

These type of pumps are designed to allow an simplified maintenance of the pump with the use of common hand tools and having easy access to its interior parts such as the impeller and the seal for asimple maintenance therefore reducing operating costs.

These pumps are ideal for waste handling applications and sewage handling applications in industries such as paper, agricultural, construction, automotive, and many others.

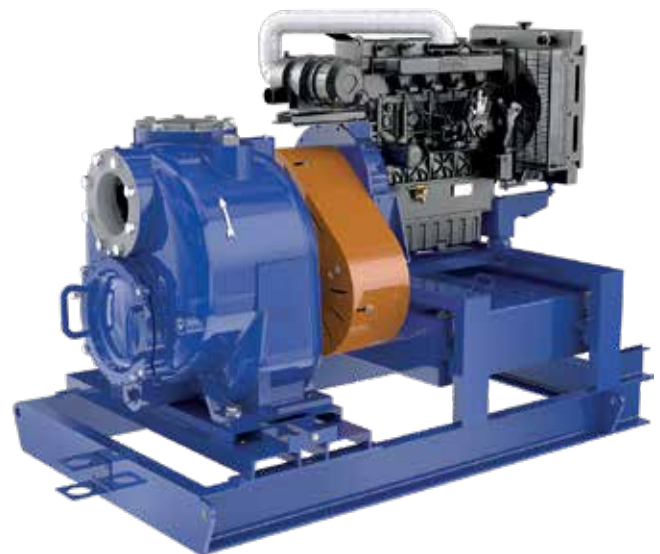


Ruhrpumpen is your single source supplier

- Original Equipment
- Spare parts
- Installation and startup support
- Repair and maintenance
- Engineering, training and consulting
- Reverse engineering

Benefits of our pumps

- Proven reliability
- High efficiency designs ensure lowest operating cost
- Robust design allows for long system life with minimal maintenance
- Optimized total cost of ownership



The SWP Pumps Can Lift Fluids Up To 27 Ft

Removable Rotating Assembly

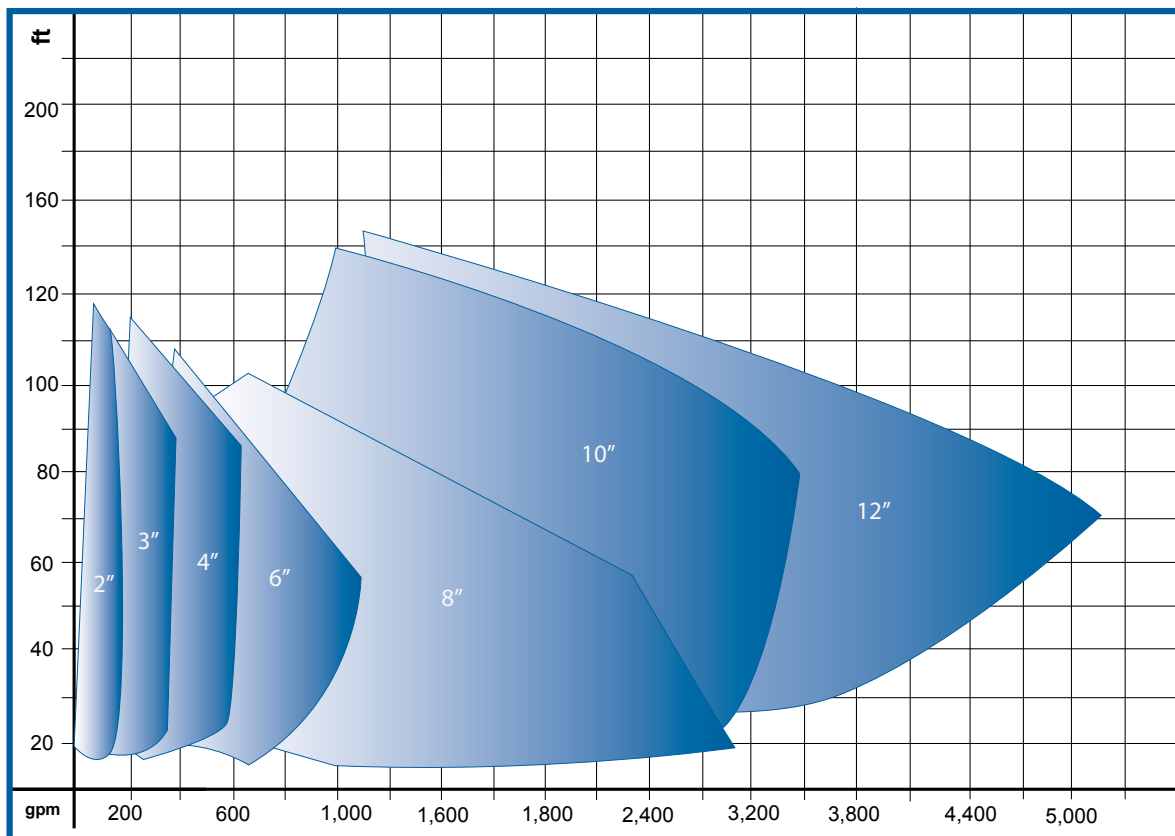
Pusher bolt holes allow for removal of the rotating assembly with out the disturbing piping.



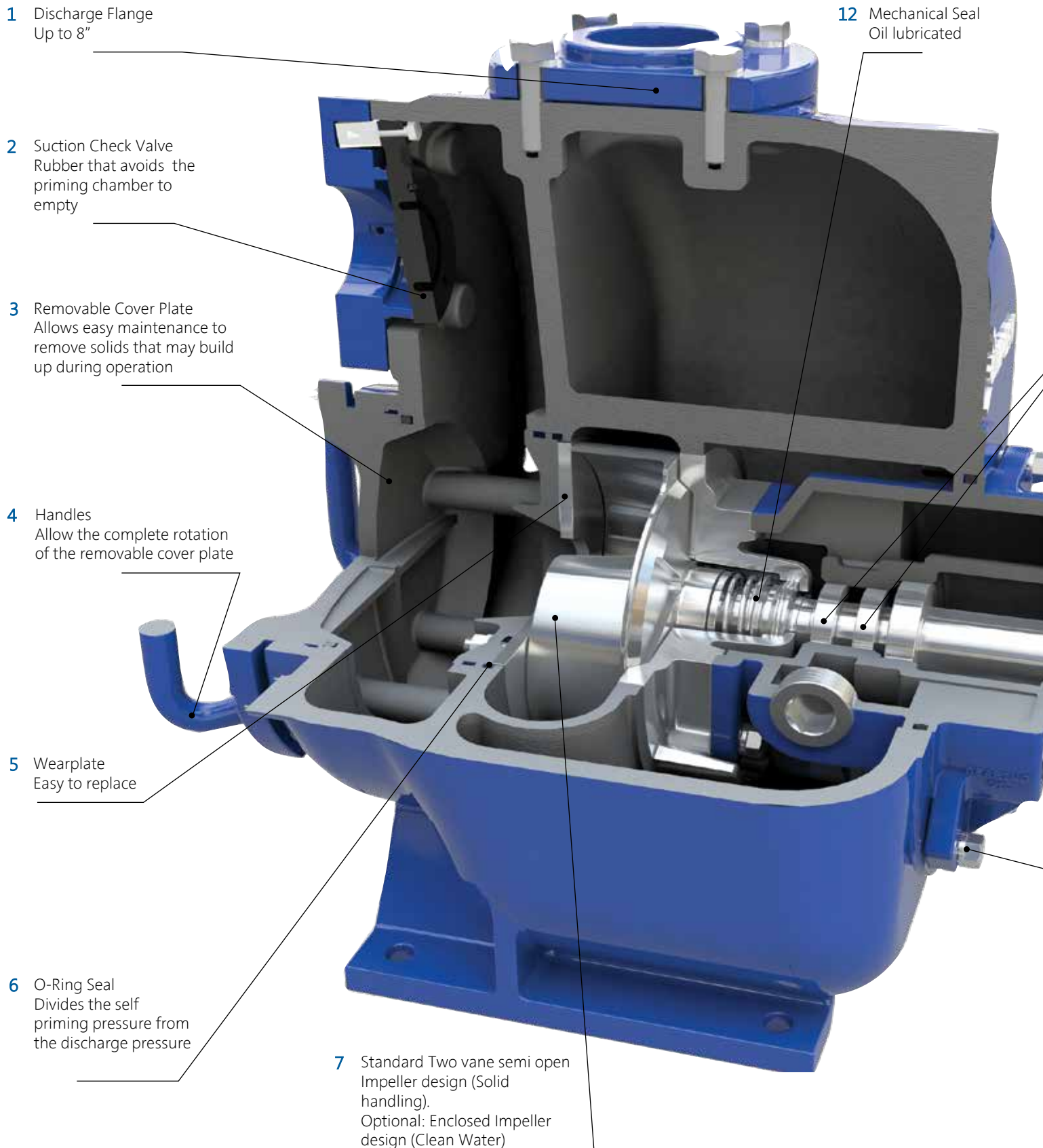
Selection Chart

Selection Chart SWP

Various Poles
50 & 60 HZ



Characteristics



Description

PRODUCT DESCRIPTION

- Self Priming Pump
- Easy maintenance without the need of disconnecting piping
- Easy access to impeller and seal.
- Availability of mounting above the liquid being pumped.
- Designed to allow up to 3 inch diameter solids.
- Lift up to 27 ft

BROAD APPLICATION RANGE

The SWP pump is designed for a wide range of waste handling applications for industries such as but not limited to:

- Steel
- Paper Mills
- Mining
- Food Processing
- Power Plants
- Automotive
- Wineries

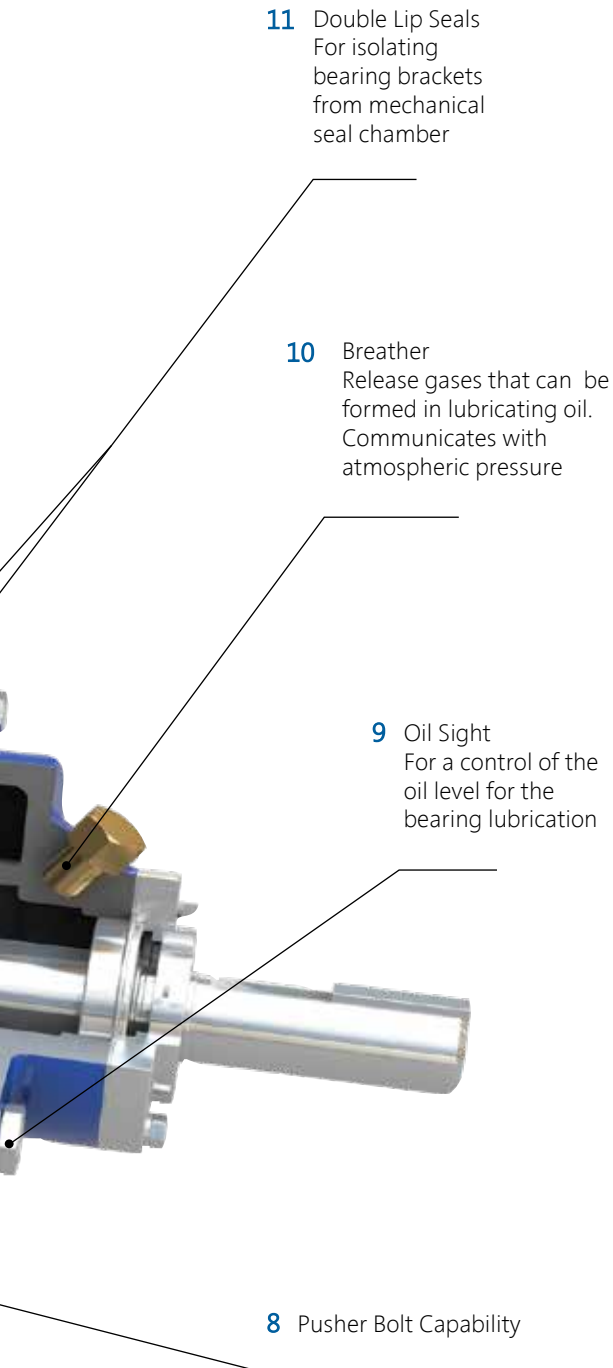
MATERIALS OF CONSTRUCTION

Construction	Casted wetted parts	Hardware	Mechanical Seal
Cast Iron	Cast Iron	Steel	SS 316
Duplex	CD4MCu	SS 316	SS 316 (CD4MCu optional)
For other materials please contact Ruhrpumpen			

SWP PERFORMANCE DATA

Capacity	up to 1,440 m ³ /h	5,280 U.S. gpm
Head	up to 45 m	147 ft
Solids Diameter	up to 7.62 cm	up to 3 in
Lift	up to 8.2 m	up to 27 ft
Temperature	up to 70 °C	up to 158 °F

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



Benefits

Bearing's dual protection

The double bearing lip seal prevents mixing the bearing chamber oil with the mechanical seal chamber oil. Between the two lip seals is an atmospheric drainer that allows the oil to drain outside of the pump in case of leak.

Two vane impeller

The two vane semi opened impeller can handle up to 3" diameter solids.

Removable cover plate

The SWP design, with its removable cover plate, reduces maintenance downtime and makes the opening simple and comfortable for the operator, with two handles to rotate the cover plate.

Double oil sight

For a better control of the bearing bracket oil level and the mechanical seal chamber oil level from the outside of the pump.

TWO VANE IMPELLER



DOUBLE OIL SIGHT



REMOVABLE COVER PLATE





Other Ruhrpumpen Products

ANSI Horizontal Process Pump



CPP - Single Stage end suction horizontal centrifugal pump, enclosed impeller, radially split casing with flanged connections. Petrochemical, Oil & Gas, Steel Industry, Automotive, Food Processing, Power Generation, Pharmaceuticals, Water Treatment, General Process.

Vertical Turbine Pump



VTP - Multistage vertical centrifugal pump with diffuser type bowl, semi-open / enclosed impellers, cast iron bowls, counterclockwise rotation viewed from coupling end. Deep well and irrigation, cooling tower, sump, condensate, can pump requirements.

Vertical In-Line Pump



IVP - Split-coupling, flanged suction and discharge on common centerline, up to 350 psi, fully enclosed, impeller with hydraulic balance which prevents vibration, radially splitcase. Fire Service, Air Conditioning Systems, Condensed Water, Ice Water, Service Water, Ocean Water, Building Water Supply Systems.

Sump Pump



VSP - Single Stage single suction vertical centrifugal pump, volute type case, flanged and threaded discharge, cast iron casing, flexible coupling. Sump Drainage, Flood Control, Air Wash Systems, Power Plants, Chemical Industry, Municipal Systems, Water Treatment, Process Plants, Sewage Lift Stations.

Horizontal Process Pump



IPP- Horizontal process pump, fully opened impeller, up to 375 psi. Chemical, Pharmaceutical, Metal Workings, Automotive, Power Generation, Water & Waste Treatment.

Horizontal Split Case Pump Single Stage



HSD - Single stage double suction horizontal centrifugal pump, foot mounted, oil or grease lubricated bearings. Dewatering, Mining, Water, Fire service, Cooling Towers, Municipal, Oil Process, Petrochemical, Sugar Industry, Paper Industry, Pipeline, Power Generation.

+75 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

-  ARGENTINA, Buenos Aires
-  BRAZIL, Rio de Janeiro
-  CHINA, Changzhou
-  EGYPT, Suez
-  GERMANY, Witten
-  INDIA, Chennai
-  MEXICO, Monterrey
-  UK, Lancing
-  USA, Tulsa

-  Manufacturing plant & service center
-  Service center