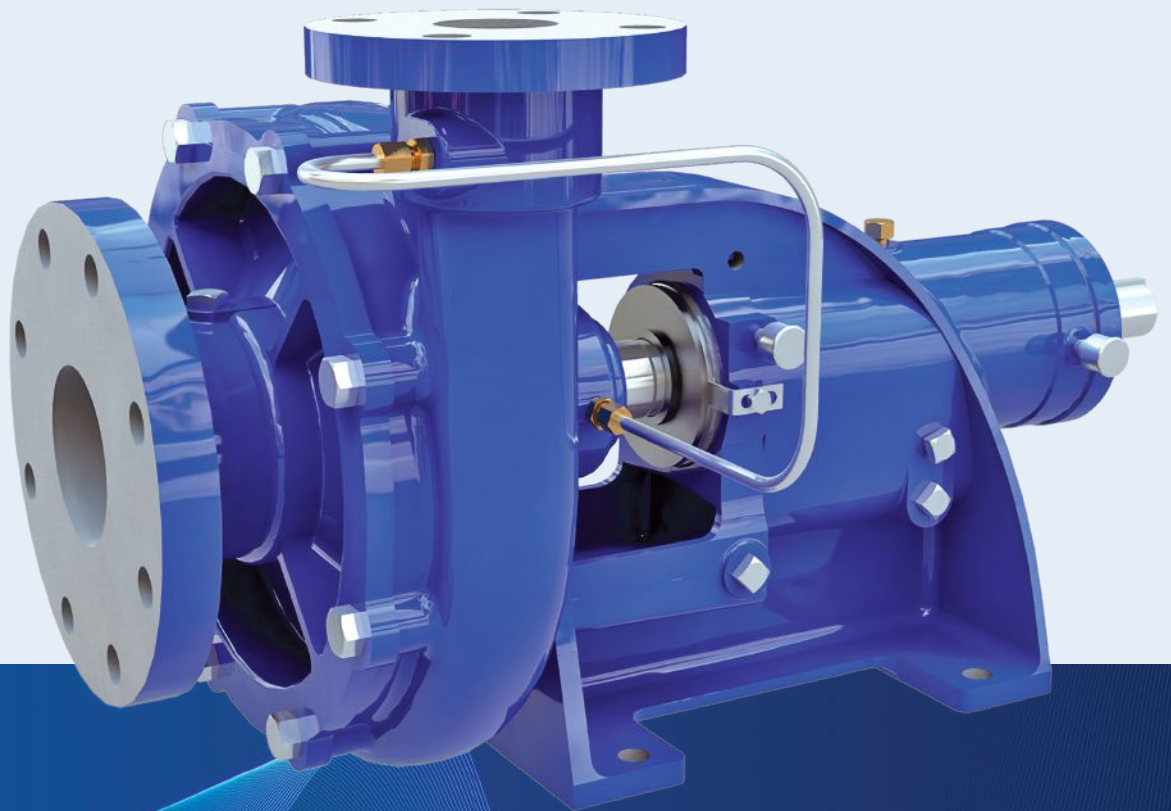




*Specialist for Pumping Technology*



**GSD**

**Single Stage, End Suction,  
General Service Pump**

### +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 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 **American Petroleum Institute (API), American National Standards Institute (ANSI), Underwriter's Laboratories (UL), Factory Mutual (FM), National Fire Protection Association (NFPA), 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



#### 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

### GSD Pump

The Ruhrpumpen GSD Pumps are single stage end suction centrifugal pumps combining advanced engineering to cover the widest possible range of service conditions with interchangeable parts and sub-assemblies.

Back Pull-Out construction permits servicing pump rotating assembly without disturbing piping connections.

This reduces plant maintenance costs and facilitates conversions for future changes in systems or process requirements.

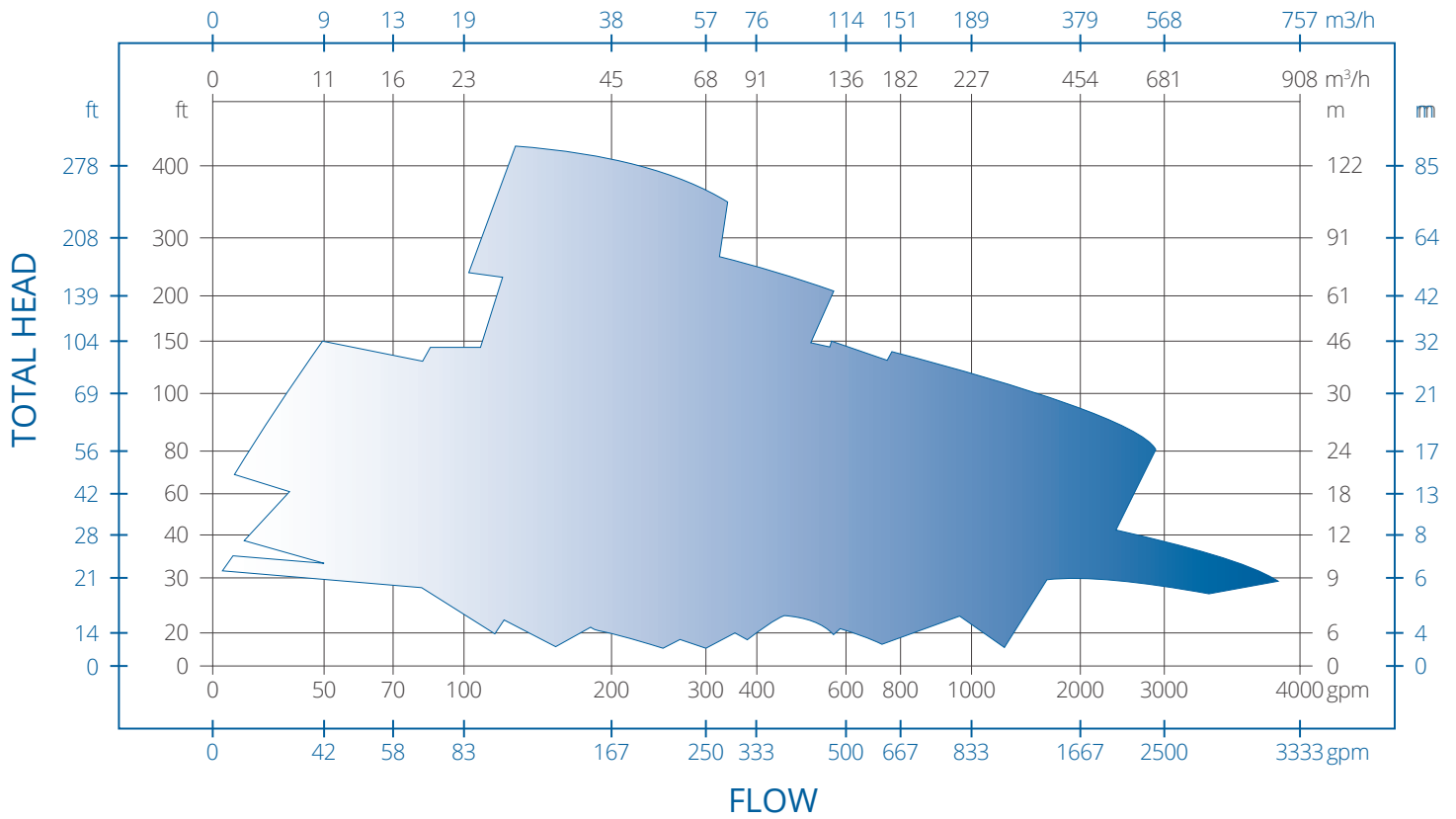
These general purpose pumps with semi-open impeller gives outstanding performance when handling either clear liquids or liquids with small solids in suspension.



# Performance Range

## Selection Chart GSD

VARIOUS POLES  
— 50 Hz — 60 Hz



## Characteristics

### 1 PACKING BOX COVER

Heavy one-piece casting with rabbeted flange for positive alignment. Packing is easily accessible with removable split gland.

### 2 PUMP SHAFT

With optimum diameter and bearing span to minimize deflection. Fully protected with shaft sleeve.

### 3 BALL BEARING

Grease lubricated with oil lubrication as an available option. Ball bearings are extra large thoroughly protected from dust and moisture to provide long life under severe conditions.

### 4 MECHANICAL SEAL

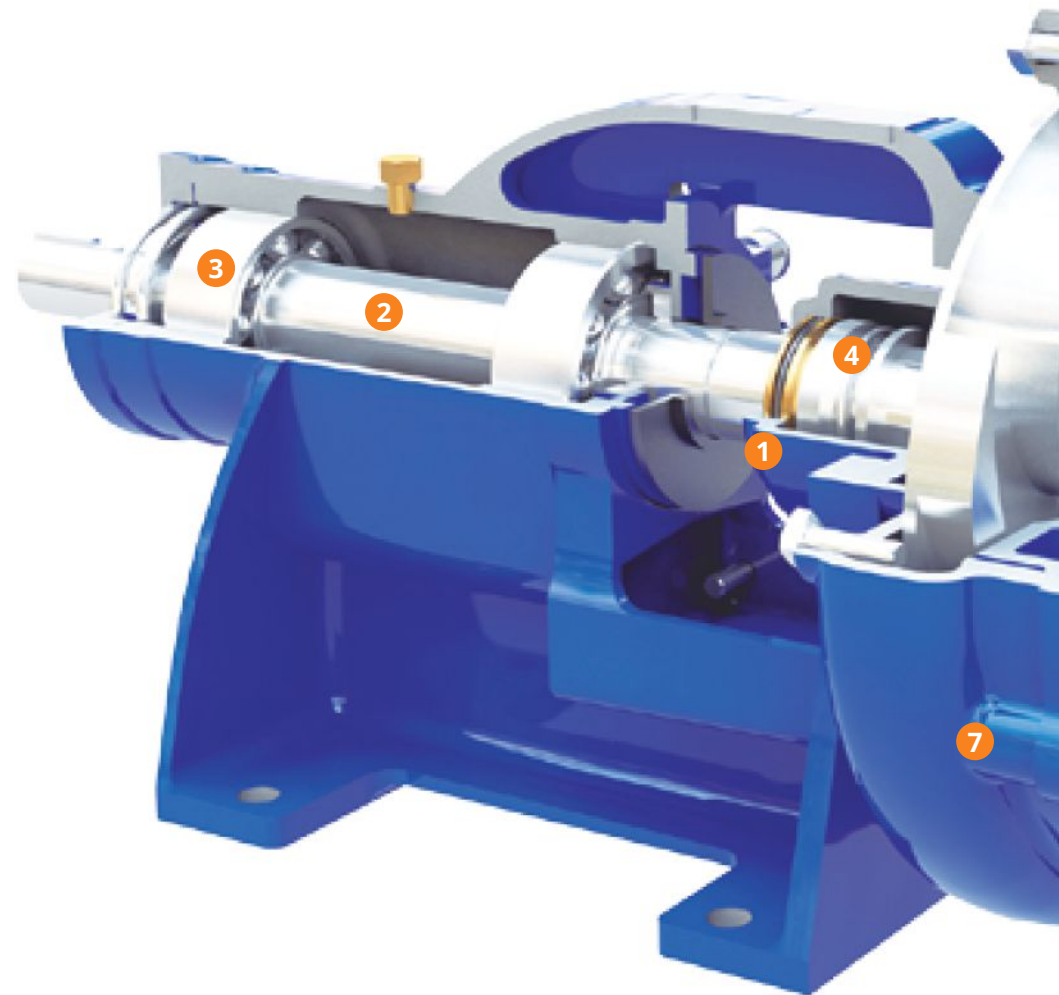
Interchangeable with packing without special machining.

### 5 FLUSH PLAN

Plan 11 - This feature aids in cooling and lubrication of the packing or mechanical seal.

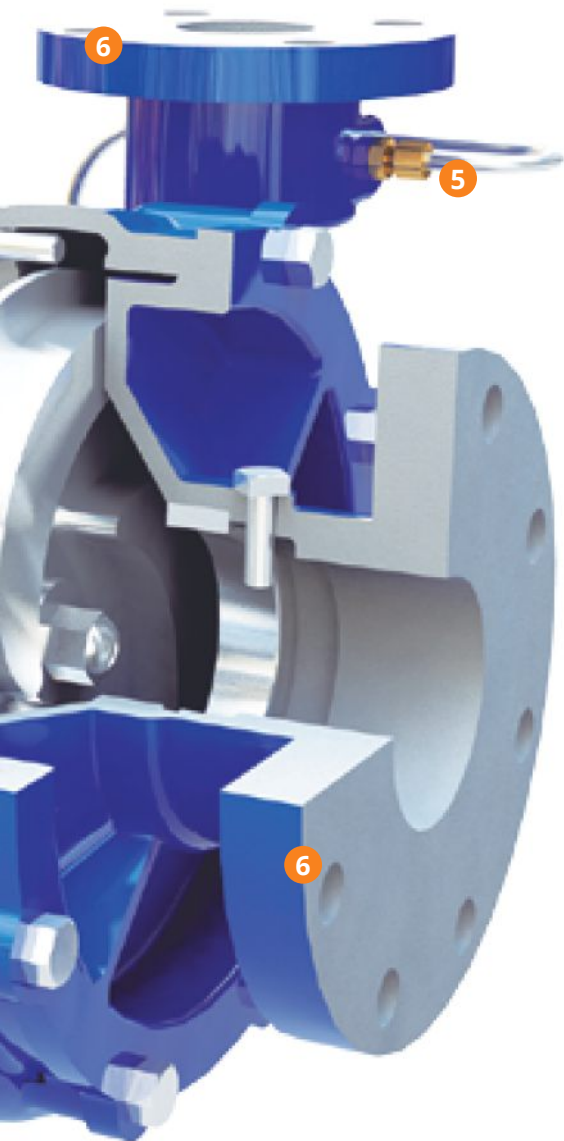
### 6 FLANGES

ANSI 150 # or 300 # flange drilling is available based on material selection. RF or FF designs are available based on requirements.



### 7 CASING

Radially split design with streamlined volute and integral suction cover. Double volute casing on 8" and larger pumps reduces radial deflection forces and prolongs pump life under carrying or off-peak head conditions.



## DESCRIPTION

- Single stage horizontal centrifugal pump.
- Semi-open adjustable impeller.
- Clockwise rotation viewed from coupling end.
- Back pull-out construction (optional).
- Interchangeable liquids ends.
- Grease lubrication.
- Packing or mechanical seal.
- Frame mounted as standard.
- Cast Iron as standard material.

## BENEFITS

- Maximum parts Interchangeability.
- Reducing plant maintenance costs.
- Conversion for future changes in systems or process requirements.
- Custom Built pump.

## APPLICATIONS

- Irrigation
- Industrial Applications
- Water Supply Systems
- Agricultural Irrigation
- Construction Projects
- Recirculation
- Booster Service
- HVAC

## OPTIONAL FEATURES

- Oil lubrication.
- Back-pullout available on some models as an upgrade.
- Mechanical seal or packing.
- Flanged and threaded connections.
- Internal flush line or piping plans lubrication.
- Available in 28 sizes.

## GSD PERFORMANCE DATA

Capacity	4,000 U.S. gpm	up to 908 m <sup>3</sup> /h
Head	400 ft	up to 122 m
Pressure	175 psi	up to 12 bar
Temperature	270°F	up to 121°C

*Notes:*










*For pump operations outside this range, please contact a Ruhrpumpen Representative.*

## +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*