



Specialist for Pumping Technology

INNOVATION
EFFICIENCY
QUALITY



PRODUCT OVERVIEW

Ruhrpumpen™ is committed to global excellence with a complete range of Pumps, Fire Pump packages and related products, such as Decoking Systems and Tools to support the core markets, namely Oil & Gas, Petrochemical, Power, Heavy Industry applications, Mining and Water services.

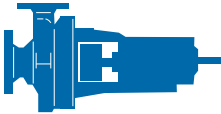
The broad product line complies with the most demanding quality specifications and go beyond stringent industry standards such as API, ANSI, Hydraulic Institute, Underwriter's Laboratories, Factory Mutual and ISO 9001.

Process Pump

Application:

Pipeline, Process Service in Refineries, Petrochemical Plants, Oilfields, On and Offshore, Power Plants.

SCE



PRODUCT DESCRIPTION

Volute Casing Centrifugal Pumps

- API 610 (OH2)
- Horizontal
- Single Suction
- Single Stage
- Bearing Bracket
- Nozzles: end / top, top / top

BROAD APPLICATION RANGE

- Hydrocarbons
- Chemical Solutions
- Condensate

PERFORMANCE DATA

Q 25-3,200 m³/h 11-14,089 gpm

H 6-480 m 20-1,575 ft

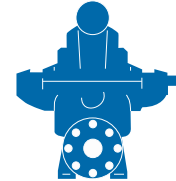
T max 450 °C max 850 °F

T min -120 °C min -184 °F

Pdmax 96 bar max 1,392 psi

Discharge Flange 1 to 12 in

HS / ZM / ZMS / ZLM / ZW



PRODUCT DESCRIPTION

Volute Casing Centrifugal Pumps

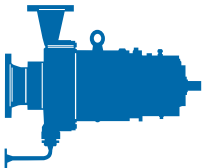
- API 610 (BB1) latest edition construction available
- Horizontal, Vertical mounting possible
- Double suction
- Single or multi stage
- Axially split
- Nozzles inline with diffuser

BROAD

PRODUCT DESCRIPTION

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SCE - M / CRP-M



Magnetic Driven Centrifugal Pump

- API 685
- Horizontal overhung
- Radially Split.
- Single Stage
- Centerline Mounted.
- End-Top nozzle arrangement
- Single suction impeller
- Axial thrust balance.

- Petroleum Refining,
- Production/Distribution.
- Petrochemical.
- Refineries.
- Heavy-duty Chemical.
- Gas Industry Services.
- Power Plants.

Q 2,200 m³/h 9,690 gpm

H 330 m 1,080 ft

T max 455 °C max 850 °F

T min -120 °C min -184 °F

Pdmax 40 bar max 580 psi

Discharge Flange to ASME B16.5

A / ADC / AB



Barrel-Type Pumps

- API 610 (BB5)
- Horizontal
- Single Suction
- Multi Stage
- Bearings on both sides
- Axially split
- Nozzles: top/top, side/top, side/side

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VLT / VMT



Barrel-Type Pump

- API 610 (VS6)
- Cryogenic
- Vertical
- Single / Double Suction
- Single / Multi Stage

- Hydrocarbons
- Chemical Solutions
- Water
- Sea Water
- Condensate
- Cryogenic Liquids

Q 8-25,200 m³/h 35-110,000 gpm

H 16-1,500 m 5-4,921 ft

T max 600 °C max 1110 °F

T min -200 °C min -323 °F

Pdmax 140 bar max 2,020 psi

Horsepower 3,000 kW (4,000 hp)

SPN / SPI

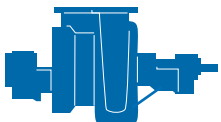


Volute Casing Centrifugal Pumps

- API 610 (OH3/OH5)
- Vertical
- Single Suction
- Single Stage
- Bearing Bracket
- Nozzles Inline

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RON / RON-D



Two Stage Centrifugal Pumps

- API 610 (BB2)
- Horizontal
- Single Suction
- Two Stage
- Bearings on both sides
- Opposed Impellers alternatively
- Double Suction for higher capacities

- Hydrocarbons
- Chemical Solutions
- Condensate

Q 18-2,000 m³/h 75-8,806 gpm

H 150-1,000 m 429-3,281 ft

T max 450 °C max 850 °F

Pdmax 125 bar max 1,813 psi

TR / VTP / VMF TRT / VCT LS BARGE



Mixed Flow Pumps Sump Pumps

- Vertical
- Single Suction*
- Single / Multi Stage
- Sump Pumps
- Submersible motor available
- API 610 (VS3) latest edition construction available.

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HVN / J



Volute Casing Centrifugal Pumps

- API 610 (BB2)
- Horizontal
- Double Suction
- Single Stage
- Bearings on both sides
- Nozzles: top / top, side / top, side / side

- Hydrocarbons
- Chemical Solutions
- Condensate

Q 100-6,814 m³/h 440-30,000 gpm

H 4- 610 m 131-2,000 ft

T max 450 °C max 850 °F

Pdmax 125 bar max 1,813 psi

VAF / PV / VPO / POV / PMR PVD



Vertical Axial Flow Pumps

- Multi-stage vertical centrifugal pump diffuser type
- Axial flow impeller
- Handles solids up to 36mm diameter (1.4in)
- API 610 (VS3) latest edition construction available.

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SMI / JTN



Multi Stage Centrifugal Pumps

- API 610 (BB3)
- Horizontal
- Single/double Suction
- Multi Stage
- Bearings on both sides
- Axially split
- Nozzles inline
- Axially displaced
- Opposed groups of impeller

- Hydrocarbons
- Chemical Solutions
- Water
- Sea Water

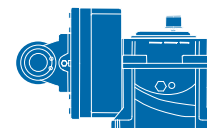
Q 50-3,000 m³/h 220-13,209 gpm

H 200- 3,000 m 656-9,843 ft

T max 205 °C max 400 °F

Pdmax 420 bar max 6,000 psi

COMBITUBE



Pitot Tube Pump

- Oil Lubricated version std., grease lubrication option
- Single Stage
- Flanged or threaded pipe connection
- Single or Double mechanical seal
- Counter clockwise when viewed from motor end

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Product Overview

Ruhrpumpen's quality program and in-house foundry, along with the latest testing equipment, ensures that the pumps we manufacture will provide long operating life, even under the most severe conditions.

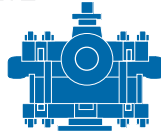
Application:

General Water Handling, Water Recovery, Water Treatment, Irrigation, Cooling Water Circuits, Denitrification, Chemical.

Industrial Pumps

APPLICATION RANGE	PERFORMANCE DATA	
Crude Oil	Q 200-31800 m ³ /h	11-140,000 gpm
Finished Products	H 10-480 m	20 - 1,575 ft
Water	T max 270 °C	max 518 °F
Sea Water	Pdmax 20 bar	max 298 psi
Condensate		
Fire Service		

LVZ



PRODUCT DESCRIPTION

- Floating Dock Pumps**
- Radially split centrifugal pumps
 - Single or multi-stage
 - Diffuser casing
 - Single suction segmental

BROAD APPLICATION RANGE

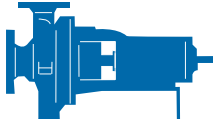
- Wash-down pumps in floating docks
- Fire Service

PERFORMANCE DATA

Q 20-300 m ³ /h	88-1,320 gpm
H 25-160 m	82 to 525 ft
T max 40 °C	max 104 °F
Pdmax 20 bar	max 290 psi

Hydrocarbons	Q 2,000 m ³ /h	8,806 gpm
Chemical Solutions	H 4,572 m	15,080 ft
Water	T max 450 °C	max 850 °F
Sea water	Pdmax 420 bar	max 6,000 psi
	Discharge Flange size 2' to 12'	

CPP/ IPP/ CRP/ CPP-L / SO



Volute Casing Centrifugal Pumps

- Horizontal
- Single Suction
- Single Stage
- Bearing bracket

- Chemical Solutions
- Water
- Hydrocarbons
- Service water

Q 5-1150 m ³ /h	20-5,000 gpm
H 6-234 m	20-770 ft
T max 315 °C	max 600 °F
Pdmax 26 bar	max 375 psi

Hydrocarbons	Q 2.5-615 m ³ /h	2,700 gpm
Chemical Solutions	H 15-290 m	52-950 ft
Condensate	T max 260 °C	max 500 °F
	Pdmax 41 bar	max 600 psi
	Speed up to 3,600 rpm	

PVT / STT/ TRT / PV/ LKT



Propeller Pumps

- Vertical
- Single Suction
- Single Stage
- Submersible motor available

- Cooling water
- Rain water
- River water
- Sea water
- Process water

Q 1,3630 m ³ /h	60,000 gpm
H 2 - 17 m	6 - 55 ft
T max 95 °C	max 203 °F
Maximum Pressure 7 bar (100 psi)	

Cooling water	Q 5-90,850 m ³ /h	22-400,000 gpm
Rain water	H 2-175 m per stage	6-575 ft
River water	T max 135 °C	max 275 °F
Sea water	Discharge flange 8" to 64"	
Process water	*Double Suction also.	
Fire service		
Deepwell		
Hydrocarbon Service		
Barge Stripping/Dewatering		

ST /STV /STT /SK /SD/ SKV /ESK/ SDV



ST: Two Channel Impeller SK: Three Channel Impeller ESK: Single Channel Impeller

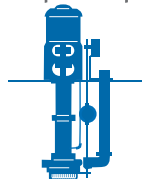
- Horizontal or vertical
- Single Suction
- Single Stage
- Two channel pot impeller
- Bearing bracket
- Radially split
- Discharge nozzle
- Tangentially

- Sewage
- Fecal matters
- Rain water
- Sludge
- Industrial waste water
- Un-screened sewage

Q 16,000 m ³ /h	70,000 gpm
H 2.5 - 50 m	8 - 164 ft
T max 80 °C	max 176 °F
125 - 300 mm solid size	4.9 - 11.8 inch solid size

All applications that required large quantities of water with low head.	Q 72,680 m ³ /h	320,000 gpm
	H 27 m	90 ft
	T max 95 °C	max 230 °F
	Pdmax 5 bar	max 75 psi

Sump Pumps



Sump Pumps

- Vertical
- Sump
- Single Suction
- Single Stage
- API 610 (VS4) latest edition construction available.

- Water
- Hydrocarbons
- Process water
- River water
- Chemical solutions

Q 10-1,931 m ³ /h	10-8,500 gpm
H 3-130 m	10-425 ft
T max 200 °C	max 400 °F
Pdmax 40 bar	max 580 psi

Chemical	Q 80 m ³ /h	350 gpm
Pulp and Paper	H 1,480 m	4,856 ft
Food Industry	T max 200 °C	max 390 °F
Brewing Industry	Pdmax 160 bar	max 2,320 psi
Steel Manufacturing		
Metal Plating		
Transportation		

IIL / IVP



Industrial In-Line pump

- Fully Enclosed Balanced one-piece Impeller
- Stuffing Box Cover
- Component interchangeability
- Close Coupled Design (IIL - OH5)
- Split Coupled Design (IVP - OH4)
- ANSI B73.1 (IIL)

- Chemical
- Petrochemical
- Petroleum
- Fiber
- Pulp and Paper
- Pharmaceutical Fats and Oils
- Automotive
- Primary Metal
- Rubber
- Fire Service
- Air Conditioning System
- Building water supply systems

Q 1,135 m ³ /h	5,000 gpm
H 122 m	400 ft
T max 176 °C	max 350 °F
Pdmax 24 bar	max 350 psi



RUHRPUMPEN PLANTS

-  USA, Tulsa & Orland
-  MEXICO, Monterrey
-  BRAZIL, Rio De Janeiro
-  ARGENTINA, Buenos Aires
-  GERMANY, Witten
-  EGYPT, Suez
-  INDIA, Chennai
-  CHINA, Changzhou

More Information:

