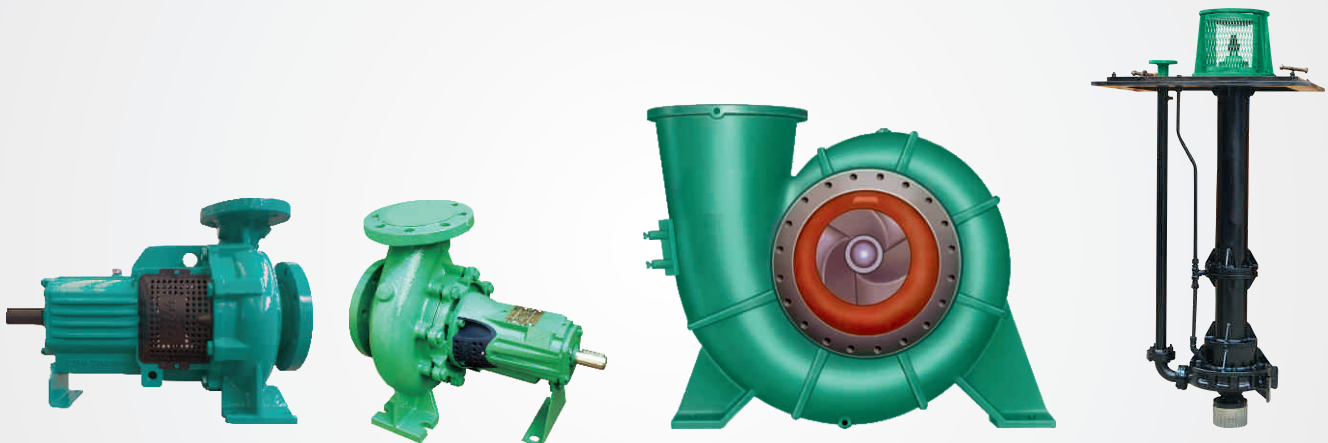


Pioneering for You

wilo

High efficiency solutions for End Suction Pumps



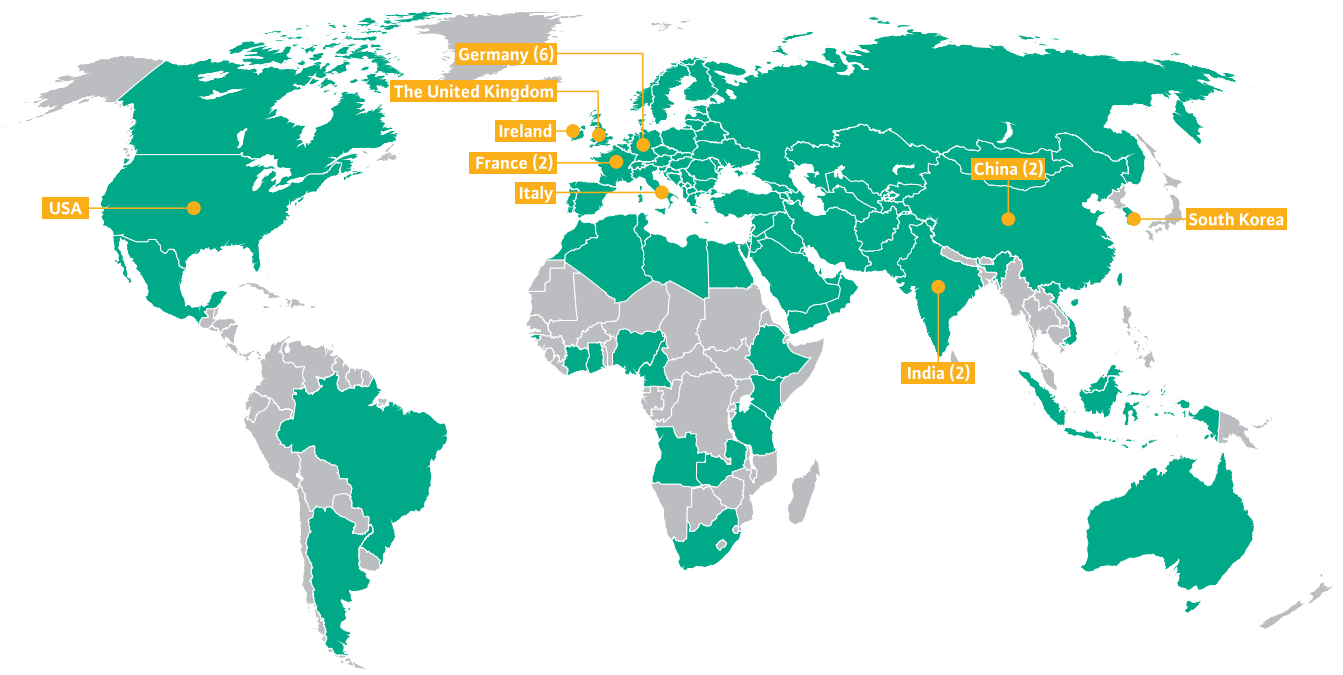
The company at a glance



WILO SE, based in Dortmund, Germany is one of the world's leading manufacturers of pumps and pumping systems for heating, cooling and air conditioning, water supply, sewage disposal and industrial applications. With more than 15 production sites over 60 subsidiaries, and more than 7,000 employees around the world, Wilo is a true global player.

Founded in 1872 as the Louis Opländer Copper and Brass Goods Factory, the company has developed to become the leading innovator in the high-tech pump sector.



World map with local & global presence of WILO



-  Countries in which Wilo is represented by a subsidiary
-  Countries in which Wilo have production locations



Chinchwad, Pune Plant

WILO Mather and Platt Pumps Pvt. Ltd.

Mather and Platt started its Indian operations in 1913 from Kolkata, and has been fulfilling the need of water supply for more than 100 years in India for segments like building services, water management and industries.

We started our operation at Chinchwad works in Pune, Maharashtra in year 1959.

Mather and Platt Pump Ltd became part of WILO SE in the year 2005

And in year 2014, WILO Mather and Platt Pumps Ltd. Become WILO Mather and Platt Pumps Pvt. Ltd.

In the year 2009 a new state of art manufacturing facility covering over approx. 6000 sq. meters has been built at Kolhapur around 260 km from Pune to manufacture the latest high efficiency products of Wilo India.

The Pune & Kolhapur plants have acquired ISO 9001, ISO 14001 and OSHAS 18001 and all products are CE certified.



Kolhapur Plant

ISO Certifications



CERTIFICATE

This is to certify that

WILO Mather and Platt Pumps Private Limited
S. No. 162, Mumbai - Pune Road, Chinchwad, Pune 411 019, India

WILO Mather and Platt Pumps Private Limited
Sales office, 201/No. 206, Premier Plaza, Mumbai - Pune Road, Chinchwad, Pune 411 019, India

WILO Mather and Platt Pumps Private Limited
E 25, MIDC, Gokul Shrigon Industrial Area, Kolhapur 416034, India

has implemented and maintains a **Quality Management System**.

Scope:
Design, development, manufacture, installation and servicing of centrifugal pumps/pump sets and valves and contracts of pumping system on turnkey basis.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001 : 2008

Certificate registration no. 521118 QMS
Except from certificate registration no. 060213 QMS
Valid from 2015-04-30
Valid until 2018-04-29
Date of certification 2015-04-30

DQS GmbH
G. Blohshunoff
GfR Blohshunoff
Managing Director

Accredited Body: DQS GmbH, August-Schnee-Straße 21, 69423 Frankfurt am Main



CERTIFICATE

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WILO Mather and Platt Pumps Private Limited
Sales office, 201/No. 206, Premier Plaza, Mumbai - Pune Road, Chinchwad, Pune 411 019, India

WILO Mather and Platt Pumps Private Limited
E 25, MIDC, Gokul Shrigon Industrial Area, Kolhapur 416034, India

has implemented and maintains an **Environmental Management System**.

Scope:
Design, development and manufacture of centrifugal pumps/pump sets and valves

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 14001 : 2004 + Cor 1 : 2009

Certificate registration no. 521118 LM
Except from certificate registration no. 060213 LM
Valid from 2015-04-30
Valid until 2018-04-29
Date of certification 2015-04-30

DQS GmbH
G. Blohshunoff
GfR Blohshunoff
Managing Director

Accredited Body: DQS GmbH, August-Schnee-Straße 21, 69423 Frankfurt am Main



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WILO Mather and Platt Pumps Private Limited
E 25, MIDC, Gokul Shrigon Industrial Area, Kolhapur 416034, India

has implemented and maintains an **Occupational Health and Safety Management System**.

Scope:
Design, development and manufacture of centrifugal pumps/pump sets and valves

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

BS OHSAS 18001 : 2007

Certificate registration no. 521118 BSQH
Except from certificate registration no. 060213 BSQH
Valid from 2015-04-30
Valid until 2018-04-29
Date of certification 2015-04-30

DQS GmbH
G. Blohshunoff
GfR Blohshunoff
Managing Director

Accredited Body: DQS GmbH, August-Schnee-Straße 21, 69423 Frankfurt am Main

Awards

A Green feather in the cap.....

In April 2013, our Kolhapur plant received a Gold Certification from the Indian Green Building Council (IGBC).



Indian Green Building Council (IGBC)
hereby certifies that
New Block - Mather & Platt Pumps Ltd
Kolhapur
has successfully achieved the Green Building Standards required for the following level of certification under the IGBC Green Factory Building Rating System
IGBC Green Factory Building Gold
March 2013

Pradeep Bhargava
Chairman, IGBC Green Factory Building Rating System

Dr Prem C Jala
Chairman, IGBC

S Raghupathy
Executive Director, CII-Godrej IGBC



Not much is required for highly efficient environmental protection.

Just good ideas. Such as the idea for the high-efficiency pump which represented a milestone achievement in 2001 and the performance data which defined today's statutory limits. It requires up to 90 % less electricity than old, unregulated standard pumps.

The idea is only a good one however, if it pays off in the long term. Which is why Wilo high-efficiency pumps not only save energy, they save money too. Off every electricity bill. A small step for each one of us, but a big step for us all. Towards a better future for generations to come.



Sustainability.
Today's ideas, tomorrow's standard solutions.

Deviations of 70 micrometres – a hair's breadth – are just visible to the naked eye.

This is still too much tolerance for real quality and this is why our quality assurance system combines the latest measuring methods with extensive testing procedures. These include, for example, an endurance test in which our pumps run non-stop under full load. This test and the most demanding eagle-eyed technicians mean that even the smallest of flaws do not go undetected. Only products that pass our tests with flying colours are put to use in your company. Quality means that we question every aspect of our products and actions, so that you are left in peace.



Quality.
This is what matters.

Flexibility is one of the most important qualities in the business world of today. Not only for the product range or service, but also spatially. Our specialists for development, quality assurance and production work in close cooperation with you when integrating our pumps in your production process. That begins with individual consulting during the planning stage, and goes far beyond installation and connection. A well-trained and worldwide active service department is another essential feature of our partnership philosophy.

We're only happy when your business runs as well as our pumps.



Service.
Wherever you need us.

Paper

Paint

Food & Beverage

Power

Pharma

Ceramic

Defence

Chemical

Fertilizer

Steel

Marine

Textile

Ply Wood

Automobile

Petrochemical

Refinery

Oil & Gas

Cement

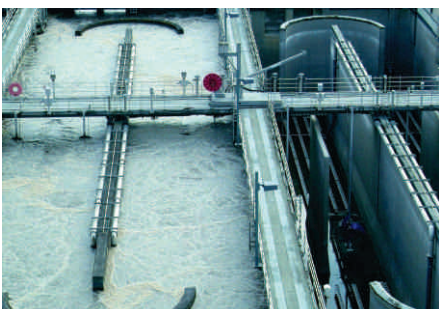
Railways

Sugar

Rubber

Metal

Mines



Engineering Capabilities

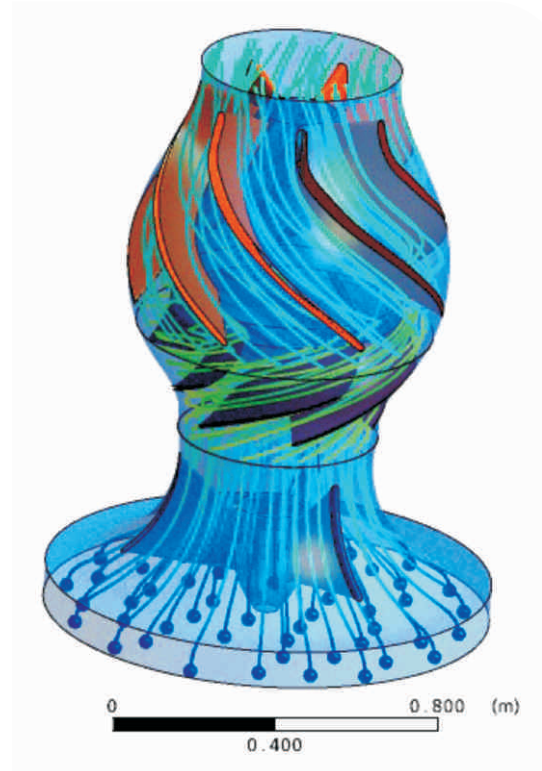
IDEC

Our Design & Engineering Centre [IDEC] facility in Pune, India focus on continuous research, development of products & services with state of art technologies..

Key activities carried out are as follows

- Geometric modelling
- In-house hydraulic design
- Computational fluid Dynamics [CFD]
- Finite Element Analysis [FEA]
- Sump model & Intake sump model analysis
- Stress, Torsional & Seismic analysis

Team of experts working towards development of world-class fluid pumping technology to cater growing demands from Indian & Overseas customers offering cutting edge solution with Best In Class solutions in terms of hydraulic efficiency , energy efficiency, weight to hydraulic mass ratio & structural durability



Test Bed

Latest facility for ensuring outgoing product quality of International standards in terms of hydraulics performance, vibrations as well as noise levels.

Facility & Capabilities

- Large pump Test bed for flows upto 60000 m³/hr, EOT crane capacity 60 Ton
- Standard pump test bed for end suction, Horizontal Split Case pump flow upto 30000 m³/hr
- NPSH req. testing capable for flows to 6000 m³/hr
- Full speed tests upto 4.5 Mega Watt
- All measuring equipment calibrated on a scheduled basis with traceability to International Standards
- Testing capability of a complete engine driven pump



Expertise comes in all sizes

End Suction Pumps – as per ISO 2858



End Suction Pumps	: 33 models [50 Hz]
Series	: MISO, PISO
Nominal Sizes	: DN 32 mm up to DN 200 mm
Flow Range	: up to 750 m ³ /hr
Head Range	: up to 170 m
Operating Pressure	: 16 bar
Operating Temperature*	: 0°C to 105°C for Gland Packed 0°C to 120°C for Mechanical Seal
Mounting	: Horizontal, Vertical [Optional]
Lubrication	: Grease , Oil
Direction of Rotation	: Clockwise

Please contact WMPPPL for 60 Hz application

Applications

- Process
- Water Supply
- HVAC
- Irrigation
- Municipal Water Supply
- General Industry
- Fire Fighting
- Jockey pump

Material Of Construction for MISO

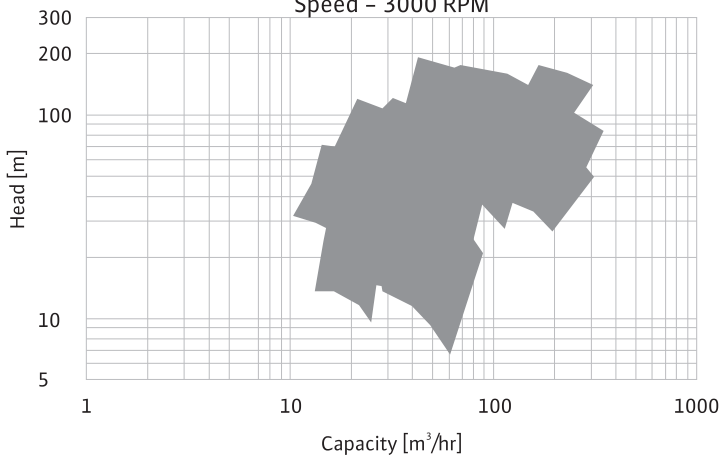
Casing	: Cast Iron, Ni-CI
Impeller	: Cast Iron, Bronze, Stainless Steel
Shaft	: Stainless Steel [EN8, SS 316, SS 410]
Shaft Sleeve	: Stainless Steel [SS 410]
Casing Wear ring	: Cast Iron, Bronze Stainless Steel, Ni-CI

Material Of Construction for PISO

Casing	: Cast Steel, Stainless Steel
Impeller	: Cast Iron, Stainless Steel
Shaft	: Stainless Steel [EN8, SS 316, SS 410]
Shaft Sleeve	: Stainless Steel [SS 316, SS 410]
Casing Wear ring	: Cast Iron, Stainless Steel

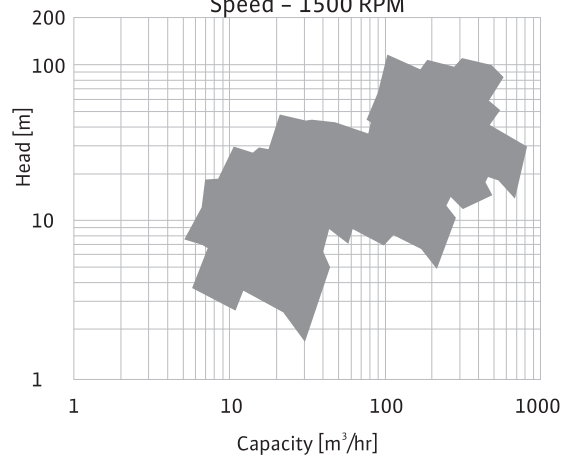
End Section Pumps – MISO/PISO 2 Pole Pumps [50 Hz]

Speed – 3000 RPM



End Section Pumps – MISO/PISO 4 Pole Pumps [50 Hz]

Speed – 1500 RPM



Product Variants

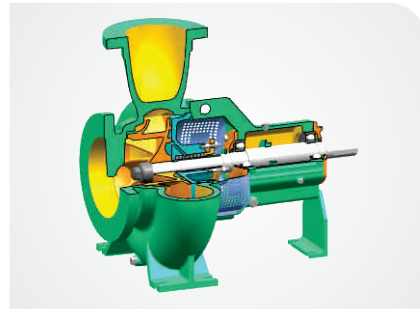
MISO Pumps*

All MISO pumps are supplied with grease lubricated bearings & Cast Iron casing & closed type impeller

* MISO 65-315H & MISO 100-315 H pump comes with Oil lubricated bearings

PISO Pumps

All PISO pumps are supplied with oil lubricated bearings & stainless steel casing & closed type impeller



Design Features

- All pumps are as per ISO 2858 [except 2 models]
- Bearing Housing:
Common bearing housing design for grease and Oil lubricated pumps
- Back pull out design:
Back pull out design eases for maintenance of the pump without disturbing the motor & piping arrangement
- Sealing
 - Packed Gland
 - Mechanical seal
- Scope for pump Integration and condition monitoring system:
Pressure and Temperature gauge connections on casing
- Pump Flanges
MISO/PISO Pumps can be supplied with flanges as per ANSI 16.1/16.5 standards

Special Executions:

Centre Line Suspension:

- In Case of high temperature applications, where working fluid temperature is between 120°C to 160°C. Pumps are supplied with Centre line suspension arrangement.



[on request]

Vertical Execution:

- Vertical execution along with cardan shaft [on request]

Product Features

- All pumps comes with shaft sleeve to ensure longer shaft life
- Optimum NPSHreq.
- Low Noise & vibration
- Reduced Energy consumption
- Less environmental impact

Prime Mover

- MISO/PISO Pumps can be driven with :
Electric motor:
Pump are supplied with motors confirming to IE1/IE2/IE3 standards/NEMA norms, IP 55 protection class, in TEFC/CACA/CACW designs & other customised design on request

Diesel Engine:

With Radiator cooled/Heat exchanger cooled options as per the requirement



Product Certifications & Approvals

- All MISO / PISO pumps are certified with CE
EAC [for Russia]

Expertise comes in all sizes

End Suction Pumps – as per EN 733



End Suction Pumps	: 39 Models
Series	: NL pumps
Nominal Sizes	: DN 32 mm up to DN 150 mm
Flow Range	: up to 600 m ³ /hr
Head Range	: up to 150 m
Operating Pressure	: 16 bar
Operating Temperature	: -20°C to +120°C, Mechanical Seal
Mounting	: Horizontal
Lubrication	: Grease
Direction of Rotation	: Clockwise

Please contact WMPPL for 60 Hz application

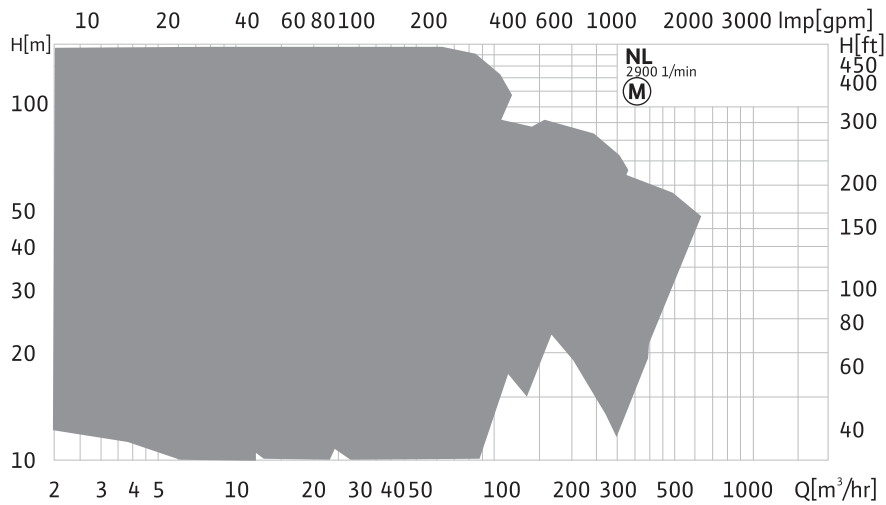
Applications

- Water Supply
- HVAC
- Irrigation
- Municipal Water Supply
- Building services
- General Industry

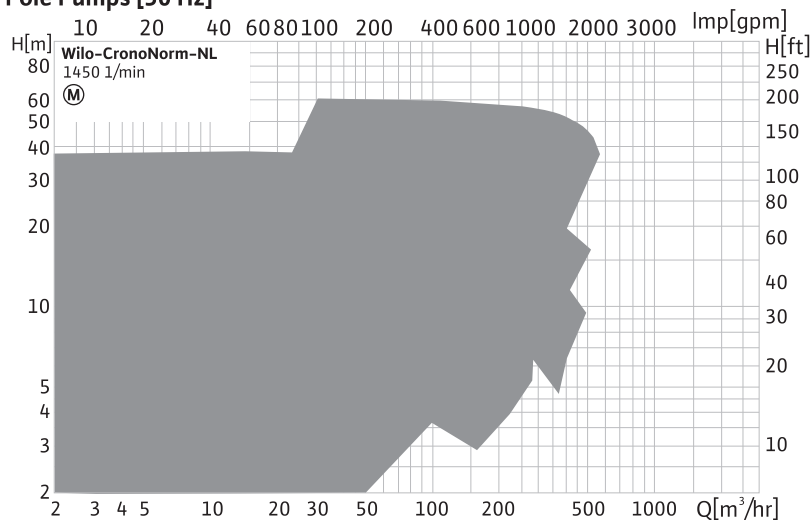
Material Of Construction

Casing	: Cast Iron
Impeller	: Cast Iron, Bronze
Shaft	: Stainless Steel [SS 420]
Shaft Sleeve	: Stainless Steel [SS 420]

End Section Pumps – NL 2 Pole Pumps [50 Hz]



End Section Pumps – NL 4 Pole Pumps [50 Hz]



Features

- Back pull out design eases for maintenance of the pump without disturbing the motor & piping arrangement
- Greased for life Deep Groove ball bearings
- Reduced shaft deflection with compliance to ISO 5199 thereby extends the life of seal & bearings
- Bearing brackets are equipped with connections for SPM vibration and temperature sensors
- Special sealing rings, closed at standstill (prevent water ingress into bearings during cleaning operations), open when running (reducing friction)
- Flange drilling as per DIN 2533

Optional Execution

Hydro-pneumatic system

Pressure boosting system with speed control and 2 to 6 non self-priming, NL pumps switched in parallel



Product Certifications & Approvals

- All NL pumps are certified with CE
EAC [for Russia]

Product Variants

With Gland Pack sealing

Pump with soft packing equipped with shaft sleeve for low cost maintenance.

With Mechanical Seal

No shaft sleeve used for mechanical seal option. Avoids danger of leakage between shaft and sleeve. Seal chamber provided with anti-rotation ribs for best seal performance and longer operating life.

Expertise comes in all sizes

Non Clog Sewage Pumps



End Suction Pumps	: 50 models [50 Hz]
Series	: SK, KN, MFV, SW
Nominal Sizes	: DN 50 mm up to DN 800 mm
Flow Range	: up to 8000 m ³ /hr
Head Range	: up to 700 m
Operating Pressure	: 4, 6, 10 bar
Operating Temperature	: 0°C to 105°C for Gland Packed 0°C to 120°C for Mechanical Seal
Mounting	: Horizontal, Vertical [Optional]
Execution	: Upshot, Overshot
Lubrication	: Grease
Direction of Rotation	: Clockwise

Please contact WMPPL for 60 Hz application

Applications

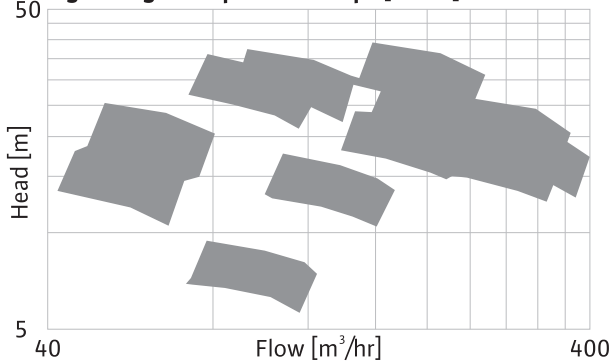
- Raw sewage transfer
- Effluent / Sewage treatment Plant
- Raw water intake
- Sugar industries

Material of Construction for Non Clog pumps*

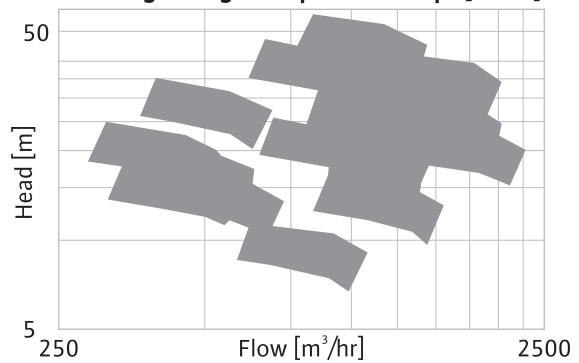
Casing	: Cast Iron, Stainless Steel, Ni-CI, Cast Steel, Duplex, Super Duplex
Impeller	: Cast Iron, Bronze Stainless Steel, Ni-CI, Cast steel, Duplex, Super Duplex
Shaft	: Stainless Steel [En8, SS 316, SS 410]
Shaft Sleeve	: Stainless Steel [SS 410]
Casing Wear ring	: Cast Iron, Bronze Stainless Steel, Ni-CI

* Pump with other material combinations available on request

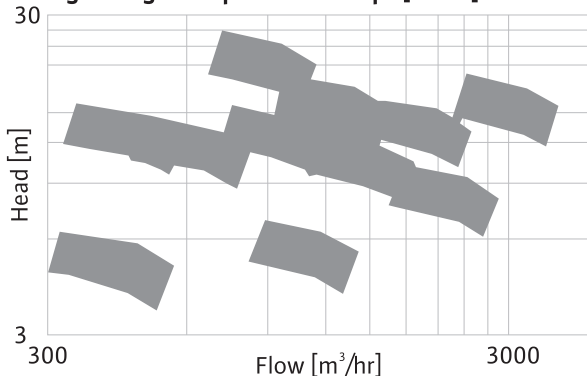
Non Clog Sewage Pumps – SK Pumps [50 Hz]



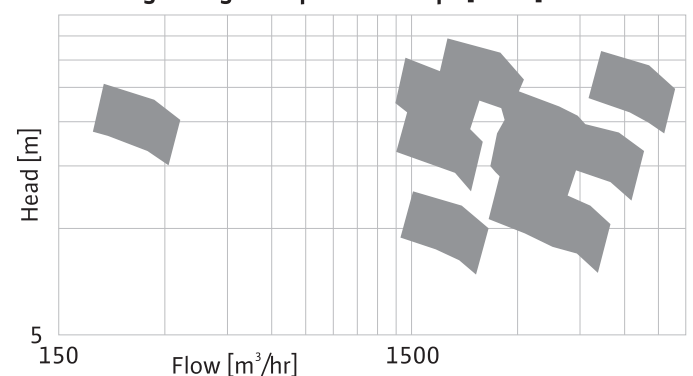
Non Clog Sewage Pumps – KN Pumps [50 Hz]



Non Clog Sewage Pumps – MFV Pumps [50 Hz]



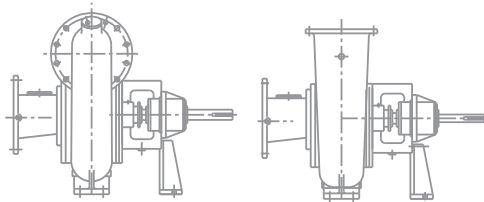
Non Clog Sewage Pumps – SW Pumps [50 Hz]



Non Clog Sewage Pumps

Design Features

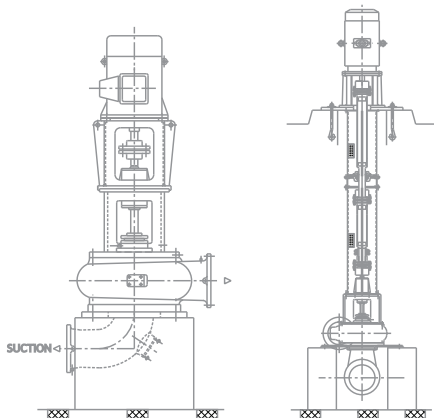
- Non Clog impellers:
Semi open type, 2-vane/3-vane impellers are used
- Bearing Housing:
Cartridge type bearing housing is used for KN pumps
- Back pull out design:
Back pull out design eases for maintenance of the pump without disturbing the motor & piping arrangement
- Discharge Flange orientation:
Upshot/Overshot flange orientation option for discharge is available for MFV/SW/KN pumps



Horizontal Delivery Orientation

Vertical Delivery Orientation

- Pump Flanges:
Flanges as per IS standards
- Inspection Cover:
Hand hole cover ease to inspect & remove material clogged in-between impeller & casing
- Special Executions:
Vertical Execution :
Allows effective utilisation of space
Easy maintenance of prime mover at an accessible area
Can be supplied with vertical extended shaft



Vertical Direct Drive

Vertical Shaft Extension

[on request]

Product Variants

SK/KN Pumps

Max ball passage size possible is of 100 mm, with 2 vane impellers

MF/SW Pumps

Max ball passage size possible is of 200 mm, with 3 vane impellers

Product Features

- 2 vane/3 vane non clog impellers
- Large free passage up to 200 mm
- All pumps comes with shaft sleeve to ensure longer shaft life
- Optimum NPSHreq.
- Low Noise & vibration
- Reduced Energy consumption
- Less environmental impact

Prime Mover

- Non Clog Pumps can be driven with :
Electric motor:
Pump are supplied with motors confirming to IE1/IE2/IE3 standards/NEMA norms, IP 55 protection class, High Voltage motors in TEFC/CACA/CACW designs & other customised design on request

Diesel Engine:

With Radiator cooled/Heat exchanger cooled options as per the requirement

Product Certifications & Approvals

- All Non Clog pumps are certified with
CE
EAC [for Russian countries]

Expertise comes in all sizes

Vertical Sump Pump



End Suction Pumps	: 55 models [50 Hz]
Series	: PNV
Nominal Sizes	: DN 25 mm up to DN 200 mm
Flow Range	: up to 750 m ³ /hr
Head Range	: up to 220 m
Lubrication	: Grease , Oil
Direction of Rotation	: Clockwise

Applications

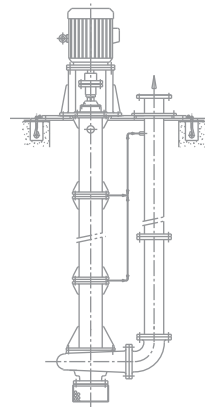
- Process
- Oil pump for turbine
- Dewatering pump
- Jockey pump

Material Of Construction for PNV

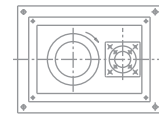
Casing	: Cast Steel, Stainless Steel
Impeller	: Cast Iron, Stainless Steel
Shaft	: Stainless Steel [EN8, SS 316, SS 410]
Shaft Sleeve	: Stainless Steel [SS 316, SS 410]
Casing Wear ring	: Cast Iron, Stainless Steel
Column pipe	: Mild steel, Stainless Steel
Motor stool & Sole Plate:	Mild Steel

Product Features

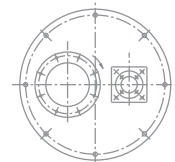
- Vertical wet pit volute pump with dry motor
- Rectangular/Circular sole plate options
- Forced/External Lubrication possible
- Shaft sleeve to ensure longer shaft life
- Semi open impeller [on request]
- Less environmental impact



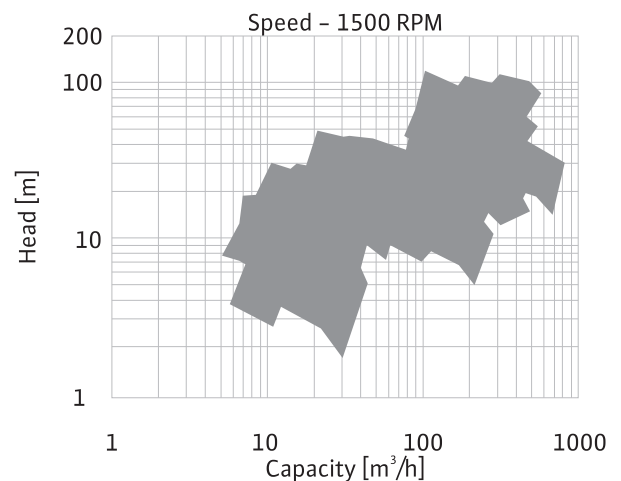
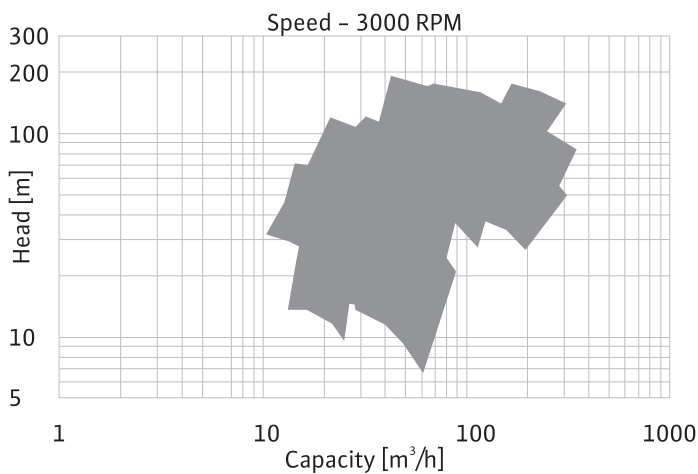
With vertical centrifugal pump



(Mounting plate - rectangular)



(Mounting plate - circular)





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Pioneering for You

WILO Mather and Platt Pumps Pvt. Ltd.

Pune International Sales:

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Chinchwad, Pune – 411 019,
Maharashtra (India)

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F +91 20 27442111

Service Toll Free: 1800 266 8866

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export@matherplatt.com

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