Pioneering for You

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Pioneering for You

Reliable and Energy Efficient Pumps

For Textile Industry

Who we are

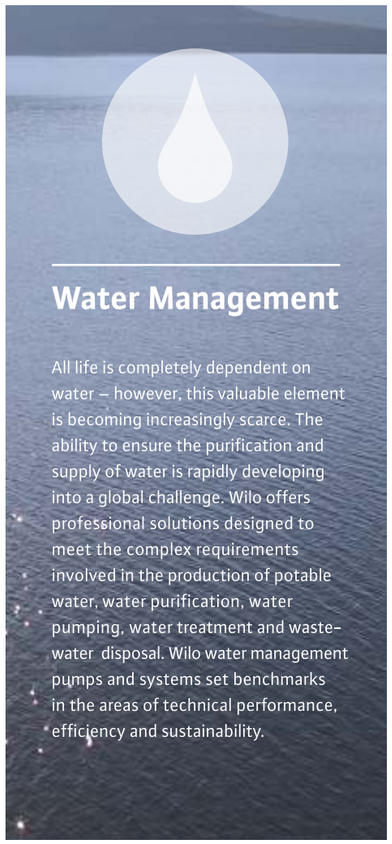
Founded in 1872 as Kupfer- und Messingwarenfabrik in Dortmund, Wilo has evolved from being a local specialist to a global player. As the majority shareholder with a stake of approximately 90 percent, the Caspar Ludwig Opländer Founded ensures the company's continuity and independence. An uncompromising customer-driven mind-set, immediate market proximity and, in particular, our culture of innovation have made us who we are: one of the worldwide leading manufactures of high-tech pumps and pump systems.

What we are

Wilo is a premium supplier in the field of building services, water management and industry. This leading position drives us to maintain our superiority. For our customers, we make complex technologies user-friendly, simple to operate energy-efficient and powerful. The main focus of our activities is therefore on the people. We offer them outstanding products, system solutions and services. In this spirit, our brand promise "Pioneering for You" stands for maximum quality of life.

Building Services

In order to maximise the efficiency of buildings, it is becoming increasingly important to use innovative and energy-saving systems incorporating components that are optimally matched to one another. This applies to detached and semi-detached houses, public buildings, industrial buildings, office buildings, hospitals and hotels: Wilo offers energy-efficient solutions for heating technology, air-conditioning, water supply and wastewater disposal.



Water Management

All life is completely dependent on water – however, this valuable element is becoming increasingly scarce. The ability to ensure the purification and supply of water is rapidly developing into a global challenge. Wilo offers professional solutions designed to meet the complex requirements involved in the production of potable water, water purification, water pumping, water treatment and waste-water disposal. Wilo water management pumps and systems set benchmarks in the areas of technical performance, efficiency and sustainability.

Industry

Wilo manufactures pumps that guarantee the highest level of reliability, flexibility and efficiency. Our strengths lie in particular in applications for peripheral equip-ment for industrial processes. Our acknowledged expertise is the result of a sophisticated product portfolio, solutions that are precisely tailored to customer needs, pooled know ledge and an effective quality management system.

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

Water is life.

Quality.
This is what matters.

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.

Service.
Wherever you need us.

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.

Wilo service worldwide:

- → More than 1500 Wilo technicians
- → Available in more than 60 countries
- → Customer driven solutions
- → Excellent supply performance
- → Fast and in best quality

Wilo service in India:

- → More than 200 Wilo technicians
- → More than 100 Wilo service partners
- → Available across the country
- → Customer driven solutions
- → Excellent supply performance
- → Quick and reliable
- → Each our regional office is having team of service persons
- → At Pune, we have centralized service team
- → We have appointed service dealers who are having trained service team from M+P
- → We are doing energy audit of Industrial plant
- → We carry out retro fitting jobs also.

The textile industry is primarily concerned with the design, production and distribution of yarn, cloth and clothing. The raw material may be natural or synthetic. Below is a Generic Process chart of a Natural fibre based Textile Industry.

Generic Process chart of a Natural fibre based Textile Industry

A textile is a flexible material consisting of a network of natural or artificial fibers (yarn or thread). Yarn is produced by spinning raw fibres of cotton or other materials to produce long strands. Textiles are formed by weaving, knitting or tatting, felting, or braiding.

The related words "fabric" and "cloth" and "material" are often used in textile assembly trades (such as tailoring and dressmaking) as synonyms for textile. However, there are subtle differences in these terms in specialized usage. A textile is any material made of interlacing fibres. A fabric is a material made through weaving, knitting or other process that may be used in production of further goods (garments, etc.). Cloth may be used synonymously with fabric but is often a piece of fabric that has been processed.

Below is a brief explanation of the different processes involved in a typical Textile Industry.

Yarn Formation:

- Yarn formation is the process of converting loose cotton (raw) fibre into a yarn structure.
- Fibre preparation involves fibre straightening and parallelling & formation of a continuous fibrous strand.
- Spinning is the twisting together of drawn out strands of fibres to form yarn.

Scope for pump application:

- Pump for Humidification plant (Sold by OEM)– End Suction pumps
- Pumps for Fire Fighting & HVAC– Horizontal Split Casing, End suction & Vertical inline.

Fabric Formation:

- Fabric formation mainly consist of Slashing & Weaving or Knitting
- Slashing is the process of applying an adhesive coating to the ends in order to enhance their abrasion resistance. This is done to give a protective coating on the warp yarn to minimize yarn breakages during weaving operation.
- Weaving is a method of textile production in which two distinct sets of yarns or threads are interlaced at right angles to form a fabric or cloth. Other methods are knitting, crocheting, felting, and braiding or plaiting. The longitudinal threads are called the warp and the lateral threads are the weft or filling.

Scope for pumps application:

- Fire Fighting & HVAC– Horizontal Split Casing, End suction & Vertical inline.

Fabric Processing:

- Fabric processing consist of Dying, Printing & Finishing.
- Dyeing and printing are the two major wet processing techniques for coloration of fabric. In the dyeing process; only one colour is produced but in the printing process; various types of coloured design are produced on the fabric surface.
- Textile finishing is the term for chemical and mechanical processes used on fabric after it's manufactured but before it is cut and sewn into garments or made into other things. Textile finishing is used to achieve desired effects and it can have aesthetic or functional benefits.

Scope for pump application:

- Pump for Cooling Tower, Boiler Feed & Chillers
- Vertical Sump Pump, Vertical Turbine, Vertical inline, Horizontal Multistage, Horizontal Split Casing, End Suction

Finished Goods:

In textile manufacturing, finishing refers to the processes that convert the woven or knitted cloth into a usable material and more specifically to any process performed after dyeing the yarn or fabric to improve the look, performance, or "hand" (feel) of the finish textile or clothing.

- Cutting & Sewing are the two processes used to achieve the desired finished product.

Scope for pump application:

- Pumps for Firefighting & HVAC:

  Horizontal Split casing, End Suction & Vertical In–line.

Other applications where pumps are required:

- WTP/DM Pant: Pump required–Horizontal Split casing, End Suction, Vertical Inline & Horizontal Multistage.
- ETP: Pumps required–Non–Clogg, Submersible & Mixers
- Captive Power plant: Pumps Required–Horizontal Split casing & Vertical Turbine.
- De–Watering: Pump required– Submersible.
- Pressure Boosting: Pumps required–End Suction & Vertical Inline.
- Boiler Feed: Pumps required– Vertical Inline & Horizontal Multistage pump.
- Utilities: Pumps required– Horizontal Split Casing, End Suction, Vertical Inline & Mono–block.

Product Type	Product Model	WTP/DM/ RO Plant	Sewage/ Effluent	Fire Fighting	Cooling Tower	Utilities	Boiler Feed	HVAC	Dewatering	Pressure Boosting
Horizontal Splitcase	SCP	✓		✓	✓	✓		✓		
Vertical Turbine	VT			✓	✓					
Horizontal End Suction	MISO/PISO/ NL	✓		✓		✓		✓		✓
Vertical Inline Multistage	MVI/HELIX	✓		✓		✓	✓	✓		✓
Control panel	–			✓		✓		✓	✓	✓
Closed coupled Vertical inline	IL					✓		✓		✓
Horizontal Monoblock	MPM/WMB					✓				
Horizontal Monoblock Multistage	MHI/MHIL	✓				✓				✓
Multistage Ring Section	RN/PLURO	✓					✓			
Non Clogg	SK/MF		✓							
Hydropneumatic Booster	Booster System					✓				✓
Submersible	FAS/FAC/STS		✓							
Mixers	–		✓							
Areator	Savio AIR		✓							

Horizontal Split Case Pump

Volume flow	upto 18000 m^3/hr
Delivery head	upto 270 m
Temperature	upto 120°C

Features

- Mechanical seal/gland packing
- Centerline line mounting for high temp service
- Vertical execution direct drive/shaft extension unit
- Prime mover – Motor/Engine

End Suction Pump

Volume flow	upto 750 m^3/hr
Delivery head	upto 170 m
Temperature	upto 120°C

Features

- End Suction top discharge
- Back pullout design
- Conforms to ISO 2858
- Mechanical seal/gland packing
- Grease/Oil Lubricated Bearing
- Prime mover– Motor/Engine

Multistage Ring Section Pump

Volume flow	upto 1000 m^3/hr
Delivery head	upto 1800 m
Temperature	upto 160°C
Stages	3 to 15

Features

- Radial flow impeller with vane diffusers mechanical seal/gland packing
- Grease lubricated antifriction bearings
- Balance valve design for axial thrust bush bearing/roller bearing
- Vertical /centreline optional mounting arrangement

Vertical Turbine Pump

Volume flow	upto 50000 m^3/hr
Delivery head	upto 450 m
Temperature	upto 80°C

Features

- Above floor/below floor
- Suspension length upto 25 meters, also available in hollow shaft design
- Single/multistage, caission/ cannistor construction
- Tilted pad thrust bearings with bearings cooling arrangement, semi-open impellers
- Pumped medium/oil/external water lubricated line shaft bearings
- Prime mover– Motor/Engine

Vertical Inline pump

Volume flow	upto 155 m^3/hr
Delivery head	upto 235 m
Temperature	upto 100°C
Stages	2 to 24

Features

- ® Vertical inline mounting
- ® Antifriction bearing, mechanical seal with EPDM/viton elastomers
- ® Supplied with high efficiency VFD compatible motor
- ® Option of Flame proof motor

Horizontal Monoblock

Volume flow	upto 25 m^3/hr
Delivery head	upto 70 m
Temperature	upto 110°C

Features

- ® Dynamically balanced rotating parts to ensure min. vibration, noise free operation and long bearing life
- ® Designed for wide voltage fluctuations

Horizontal Monoblock – Multistage

Volume flow	upto 138 m^3/hr
Delivery head	upto 78 m
Power	upto 30 hp

Features

- ® Wetted parts made up of stainless steel
- ® High efficient motor suitable for wide voltage fluctuation
- ® Silent in operation
- ® Easy to carry, install and operate

Non Clog Sewage/Wastewater pump

Volume flow	upto 8000 m^3/hr
Delivery head	upto 70 m
Temperature	upto 80°C

Features

- ® End Suction top discharge
- ® Casing with hand hole
- ® Free passage size upto 200 mm
- ® Grease lubricated antifriction bearing

Submersible Sewage Pump

Volume flow	upto 8000 m^3/hr
Delivery head	upto 100 m
Temperature	upto 60°C

Features

- ® Non clog free flow, single/multi channel impeller
- ® Free passage size upto 200 mm
- ® Oil barrier chamber with float switch winding, bearing temperature indicator, moisture sensor
- ® Stationary/portable installation, with/without macerator

Mixers

Volume flow	upto 4.25 m^3/hr
Temperature	upto 40°C

Features

- ® Submerged operation mode:S1 protection class: IP 68
- ® Two stage planetary gear with exchangeable second planetary gear
- ® Permanently lubricated antifriction bearing
- ® Max submersion depth 12.5 m

Hydro Pneumatic Booster System

Volume flow	upto 800 m^3/hr
Delivery head	upto 160 m
Temperature	upto 120°C

Features

- ® Heavy duty system with 2–6 Helix series stainless steel high pressure multistage centrifugal pumps
- ® High efficiency motor
- ® Pressure loss optimised overall system with high efficient pump hydraulics
- ® Comfort CC/COR control unit with extended functions, microcomputer and touch screen with or without frequency convertor

Control Panels

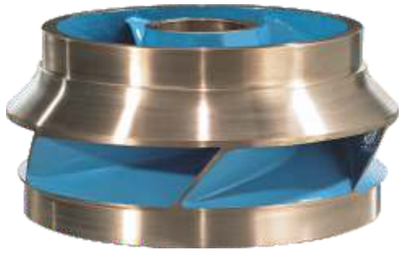
For various applications like:

- ® Fire fighting
- ® Pressure boosting & plumbing
- ® HVAC
- ® Drain & mixers

Ceram.
Lifelong corrosion protection.

With ceram, Wilo offers reliable protection against corrosive and abrasive fluids. This solvent-free, ceramic based coating guarantees the perfect corrosion protection of our products.

Ceram coatings are available in different versions (C0, C1, C2 and C3). For use in especially critical fluids, the individual versions can also be combined with each other. With ceram, a cost-effective alternative solution compared to special materials can also be offered.



Ceram quality	Layers	Thickness [mm]	Application
Ceram C0	1	0.4	Complete outer and inner coating
Ceram C1	1 – 3	1.5	Impeller and suction port coating
Ceram C2	1	1.5	Coating of the pump housing (inside)
Ceram C3	1	3	Coating of the pump housing (inside)

Efficient aeration with the Wilo-Sevio AIR.
Thanks to flow-optimised design.

The Wilo disc aerator design is based on considerations regarding flow and strength.

Wilo disc aerators are all factory-tested to ensure that they are within the specified pressure loss range.

The aeration systems are individually configured for every requirement and are characterized by their compact modular design. Depending on the aeration power required, an appropriate number of disc aerators are installed on pipes and supplied with compressed air. The system is delivered in the form of components that are pre-assembled at the factory – no need for gluing or welding. This allows for quick and easy installation on site.

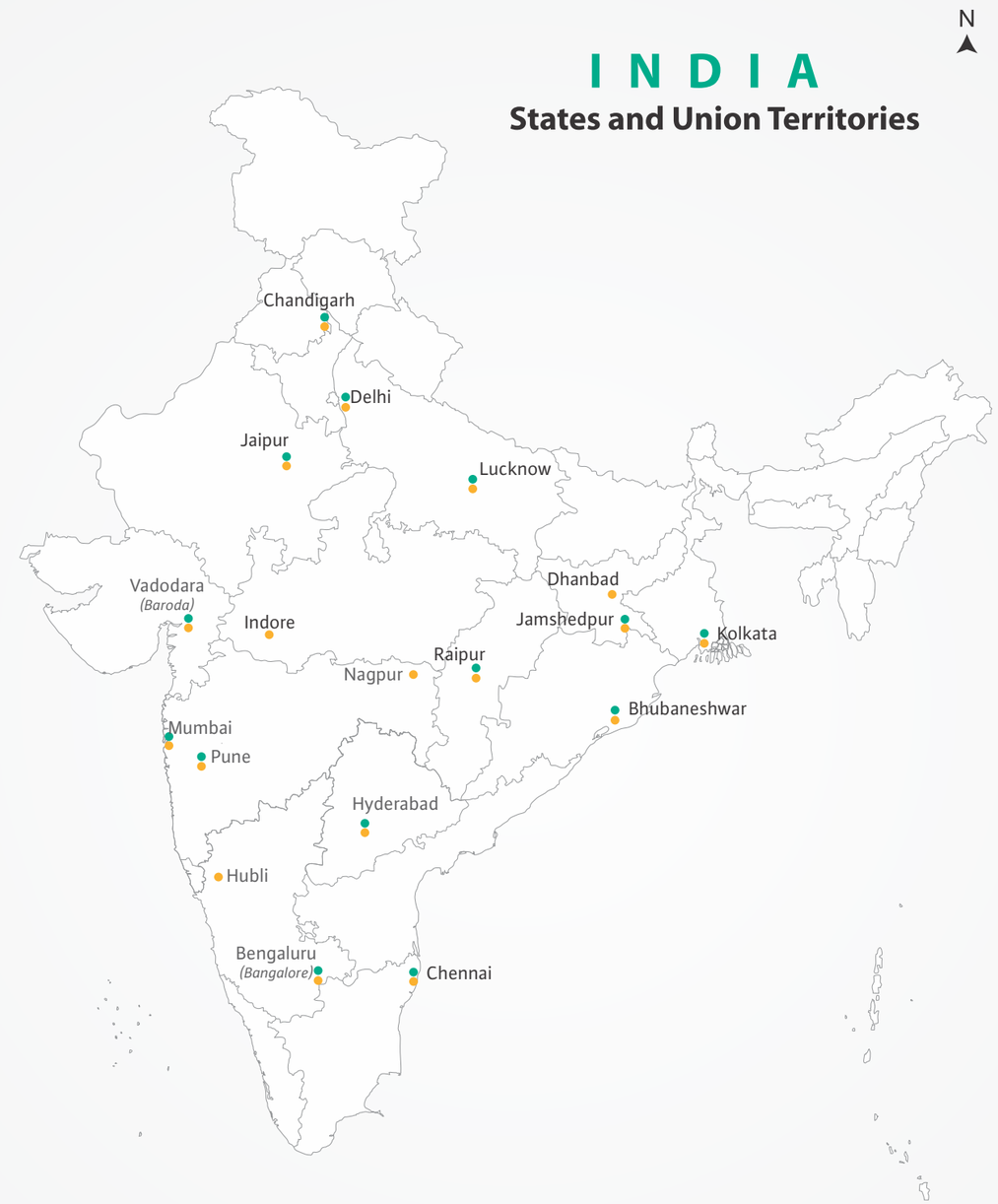
Flow-optimised
Evenly distributed small-bubble oxygen entry over the entire membrane surface

The advantages to you

- → Reduced energy costs
- → Optimal process
- → Increased oxygen entry
- → Improved treatment performance
- → Minimal installation and maintenance required increased overall efficiency
- → Combination with Wilo submersible mixers
- → Comlete configuration to suit the requirements at hand
- → A contract person for all project phases

Sr. No.	Customer name	Location
1	Abhishek Industries Limited	Punjab
2	Chenab Textile Mills	Maharashtra
3	Grasim Industries Ltd	Rajasthan
4	Bhaskar Denim Industries Ltd	Madhya Pradesh
5	Mantra Exports Pvt Ltd.	Maharashtra
6	Grasim Industries Ltd	Madhya Pradesh
7	Vardhman Yarns And Threads Limited	Tamil Nadu
8	Grasim Industries Ltd	Karnataka
9	Bhilosa Industries Pvt Ltd	Dadra & Nagar Haveli
10	Sel Mfg. Co. Ltd	Madhya Pradesh
11	Grasim Industries Ltd	Madhya Pradesh
12	SRF Limited	Haryana
13	Welspun India Limited	Maharashtra
14	Birla Corporation Limited	West Bengal
15	Mohan Fibre Products Ltd	Punjab
16	Surat Super Yarn Park Limited	Gujrath
17	Nakoda Limited (Unit – II)	Gujrath
18	Raymond Ltd	Maharashtra
19	Garden Silk Mills Limited	Gujrath
20	Adinath Dyeing & Finishing Mills	Punjab
21	Birla Cellulosic	Maharashtra
22	Surya Lakshmi Cotton Z Mills Ltd	Telangana
23	Integriti	Maharashtra
24	Rainbow Denim Ltd	Maharashtra
25	Mafatlal Denim Ltd	Gujrath
26	Vardhman Textile	Punjab

Service Network



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- Wilo Service Engineers
- Wilo Service Partners