

Pump and pump systems

Highly Efficient Pumping Solutions for Building Services

Bangalore

Mather and Platt Pumps Ltd.
S & S Elite Building, 2nd Floor, No. 197,
10th Cross, CBI Road, Ganganagar,
R. T. Nagar Post, Bangalore-560 032
Ph: +91 80 23541887
Email: mnpblr@matherplatt.com

Bhubaneshwar

Mather and Platt Pumps Ltd.
B-15, 2nd Floor, Arihant Plaza,
Shahid Nagar, Bhubaneshwar-751 007
Ph: +91 674 2541738
Email: mnpbhu@matherplatt.com

Chandigarh

Mather and Platt Pumps Ltd.
SCO 18, FF, Cabin No. 4, Sector 26,
Madhya Marg, Chandigarh-160 026
Ph: +91 172 3913891
Email: mnpchd@matherplatt.com

Chennai

Mather and Platt Pumps Ltd.
2nd Floor Mootha Centre 23, Kodambakam
High Road, Nungambakkam, Chennai-600 031
Ph: +91 44 28251171
Email: mnpchn@matherplatt.com

Delhi

Mather and Platt Pumps Ltd.
602, 604, 606, 608, Ansal Chambers-II,
Bhikaji Cama Place, New Delhi-110 066
Ph: +91 11 40811111
Email: mnpdel@matherplatt.com

Dhanbad

Mather and Platt Pumps Ltd.
Vishwa Mitra Kutty, Jai Prakash Marg,
Lane No. 3, Denobli Road, Dhanbad-825 001
Ph: +91 326 2203673
Email: mnpdhn@matherplatt.com

Hubli

Mather and Platt Pumps Ltd.
H No. 132, Sali Layout, Opp. Gangubhai Hangal
Gurukul, Sainagar Railway Gate,
Unkal, Hubli-580 032
Ph: +91 9741125941
Email: mnphub@matherplatt.com

Indore

Mather and Platt Pumps Ltd.
112, Royal Gold, 4 Y N Rd,
Near High Court, Indore-452 001
Ph: +91 731 4003570
Email: mnpind@matherplatt.com

Jaipur

Mather and Platt Pumps Ltd.
317, 2nd Floor Apex Mall,
Tonk Road, Jaipur - 302 015
Ph: +91 141 4038844
Email: mnpjai@matherplatt.com

Kolkata

Mather and Platt Pumps Ltd.
"Shaile Towers", 3rd Floor,
J1 / 16, EP Block, Sector V,
Salt Lake City, Kolkata-700 091
Ph: +91 8100218116
Email: mnpkol@matherplatt.com

Lucknow

Mather and Platt Pumps Ltd.
F-2(D), 2nd Floor, A. F. Tower,
Park Road, Hazaratganj,
Lucknow-226 001
Ph: +91 522 2239556
Email: mnpiko@matherplatt.com

Nagpur

Mather and Platt Pumps Ltd.
A-1, Ground Floor, Avanti Appt.,
Plot No 300, Lakshmi Nagar,
Nagpur - 440 022
Ph: +91 712 2245519
Email: mnpngp@matherplatt.com

Pune

Mather and Platt Pumps Ltd.
Sales and Marketing Office
Office No. 201-206, 2nd Floor, CB-2,
Empire Estate, Mumbai-Pune Road,
Pune-411 019
Ph: +91 20 67347100
Email: sales@matherplatt.com

Raipur

Mather and Platt Pumps Ltd.
Maruti Heights, Office No. 2,
3rd Floor, Mahoba Bazar, G.E. Road,
Raipur-492 001
Ph: +91 771 4055911
Email: mnprrp@matherplatt.com

Secunderabad

Mather and Platt Pumps Ltd.
506, Amsri Classic Building, S.D. Road,
Secunderabad - 500 003
Ph: +91 40 27700971
Email: mnphyd@matherplatt.com

Thane

Mather and Platt Pumps Ltd.
601, Dev Corpora, 6th Floor,
Opp. Cadbury Company,
Eastern Express Highway, Khopat,
Thane (W)-400 602
Ph: +91 20 41222411
Email: mnpmm@matherplatt.com

Vadodara

Mather and Platt Pumps Ltd.
316, Race Course Tower, Race Course Circle,
Gotri Road, Vadodara-390 007
Ph: +91 265 2334289
Email: mnpbrd@matherplatt.com

Pune Works

Mumbai Pune Road,
Chinchwad, Pune-411 019,
Maharashtra, INDIA.
Ph: +91 20 27442100

Kolhapur Works

Gokul Shirgaon, MIDC,
Kolhapur-416 234,
Maharashtra, INDIA.
Ph: +91 231 2672904

Sales and Marketing Office

Office No. 201-206, 2nd Floor,
CB-2, Empire Estate,
Mumbai-Pune Road,
Pune-411 019
T +91 20 67347100
F +91 20 67347112
sales@matherplatt.com
www.matherplatt.com

Toll free: 1800 266 8866
<http://www.matherplatt.com>

* Technical matter subject to change



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.



WILO worldwide



Wilo Branches/Production Sites

WILO SE, Dortmund plant/Germany
WILO SE, Oschersleben plant/Germany
WILO SE, Holf plant/Germany
WILO EMU Anlagenbau GmbH, Roth/Germany*
Pompes Salmson S. A. A., Laval plant/France
TEK S. r. l., Bari/Italy*
WILO Pumps Ltd., Limerick/Ireland

Circulating Pumps Ltd., Kings Lynn/Great Britain
WILO USA LLC, Thomasville plant, Georgia/USA
WILO China Ltd., Beijing plant/China
WILO ELEC China Ltd., Qinhuangdao/China
WILO Pumps Ltd., Busan plant/Korea
Mather & Platt Pumps Ltd., Pune plant/India
Mather & Platt Pumps Ltd., Kolhapur plant/India
Mather & Platt Pumps Ltd., Kolkata plant/India

SUBSIDIARIES
With more than 60 subsidiaries, Wilo is at home all over the world



Mather and Platt Pumps Ltd.

Mather and Platt started its Indian operation in the year 1913 from Kolkata. Since then we have been significant in fulfilling the need of water supply for more than 100 years in India to various business segments like building services, water management and industries. Our Chinchwad Works operations in Pune, Maharashtra started in the year 1959.

Today, we are the manufacturers of the various types of centrifugal pumps and pumping systems.

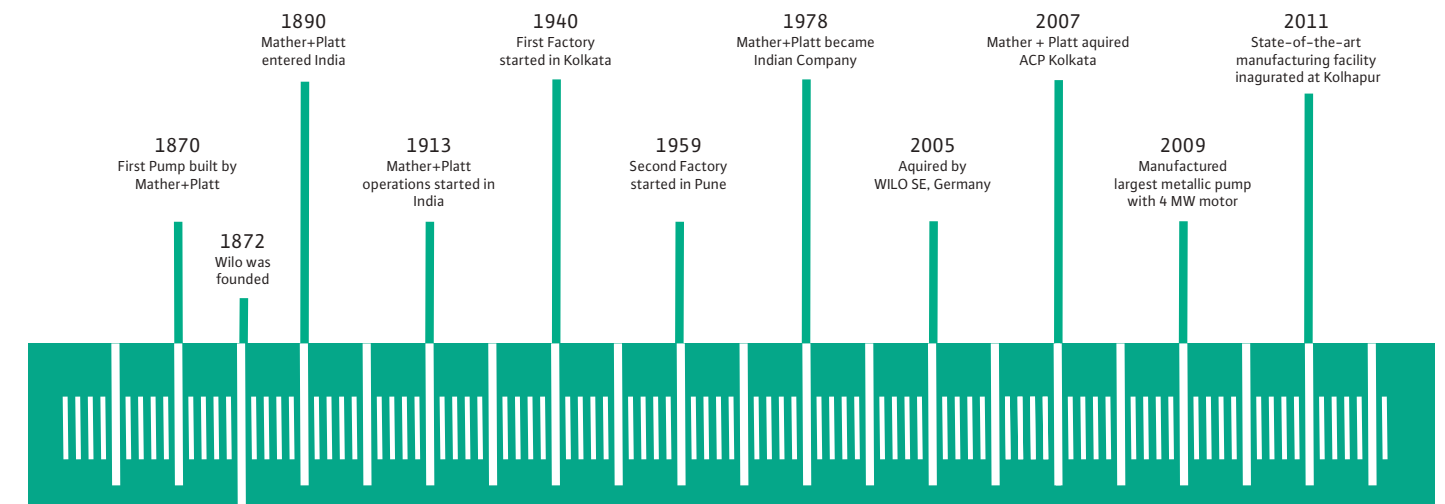
Mather and Platt Pumps Limited became a part of WILO SE in the year 2005.

A new state of art manufacturing facility at Kolhapur, approximately 260km from Pune, and covering over 6000 sq. meters was inaugurated in the year 2011, to manufacture the latest high efficiency products of Wilo India.

The Pune and Kolhapur plants have acquired the ISO 9001, ISO 14001 and OSHAS 18001 Certifications and all our products are CE certified. M+P is the manufactures of one of the largest metallic vertical turbine pump in Asia supplied with 4 MW motor.

A Green feather in the cap.....

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





Water is life.

And since 1872, Wilo has been connecting people with water.



Chinchwad Plant



Kolhapur Plant



Ware House

Wilo – Dry Rotor Pumps



Product	End Suction Back Pull Out Pumps ET/NL/PN	Vertical Inline Pumps IL/PL/DL/PIL	Horizontal Split Case Pumps ST/SN/LONO/LE/ME/SCP
Range	Flow upto: 750 m³/hr	Flow upto: 800 m³/hr	Flow upto: 18000 m³/hr
	Head upto: 170 m	Head upto: 110 m	Head upto: 270 m
	Temperature: up to 120°C	Temperature: up to 140 °C	Temperature: up to 120°C
	Delivery size: DN 32 – DN 150	Delivery Size: DN 32 – DN 250	Delivery Size: DN 32 – DN 1200
Product/ Design Features	<div>→ Conforms to ISO 2858 & EN 733</div> <div>→ Back pull out design</div> <div>→ Closed/semi open impellers</div> <div>→ Grease/oil lubricated antifriction bearings</div> <div>→ Mechanical seal/gland packing</div>	<div>→ Available with IE2 motor</div> <div>→ Mechanical seal as a standard</div> <div>→ Flameproof motor (optional)</div>	<div>→ Single/double suction impellers</div> <div>→ Grease/oil lubricated antifriction bearings.</div> <div>→ Mechanical seal/gland packing</div>
Material of Construction	<div>→ Casing: Cast iron/SS/NiCi/WCB</div> <div>→ Impeller: Cast iron/Bronze/SS/NiCi/WCB</div>	<div>→ Casing: Cast iron</div> <div>→ Impeller: Cast iron/bronze</div>	<div>→ Casing: Cast iron/SS/NiCi/WCB</div> <div>→ Impeller: Cast iron/ Bronze/SS/NiCi/WCB</div>
Applications	<div>→ HVAC systems</div> <div>→ Water transfer</div> <div>→ Distribution systems</div> <div>→ Fire fighting</div> <div>→ Cooling tower</div>	<div>→ HVAC systems</div> <div>→ Water transfer</div> <div>→ Distribution systems</div> <div>→ Cooling tower</div>	<div>→ HVAC systems</div> <div>→ Water transfer</div> <div>→ Distribution systems</div> <div>→ Fire fighting</div> <div>→ Cooling tower</div>



Wilo – Multi Pump Pressure Boosting System



Product	CO – X XXX BC/EC	CO (R) – X XXX/CC	COR – X XXX/VR
Range	Flow upto: 400 m³/hr	Flow upto: 800 m³/hr	Flow upto: 400 m³/hr
	Head upto: 110 m	Head upto: 200 m	Head upto: 200 m
	Temperature: up to 70°C	Temperature: up to 70°C	Temperature: up to 70°C
	Delivery size: DN 32 – DN 200	Delivery size: DN 32 – DN 200	Delivery size: DN 32 – DN 200
	No of pumps – 2 to 4	No of pumps – 2 to 8	No of pumps – 2 to 4
Product/ Design Features	<div>→ Indication lights</div> <div>→ Cascading, altering function</div> <div>→ Overload protection</div> <div>→ Main Switch with door interlock</div> <div>→ Adjustable timer for run/stop pumps</div> <div>→ Dry run protection</div> <div>→ Factory made systems</div>	<div>→ PLC Based system (CO) and with single VFD (COR)</div> <div>→ HMI touch screen</div> <div>→ Multi colour display</div> <div>→ Three stage security password</div> <div>→ Alphanumeric error message with capacity of 35 messages</div> <div>→ BMS compatibility</div> <div>→ Pump test run facility</div> <div>→ Factory made systems</div>	<div>→ PLC based system with individual VFD for each pump</div> <div>→ LCD with back lit display</div> <div>→ BMS compatibility</div> <div>→ Internal circuit breaker with door interlock</div> <div>→ Each pump operation status</div> <div>→ Password protection facility</div> <div>→ On screen menu driven functions with rotary switch</div> <div>→ Factory made systems</div>
Material of Construction	<div>→ Pumps with SS 304 internals</div> <div>→ Manifolds, base frame – GI</div> <div>→ Other material of construction available on request</div>	<div>→ Pumps with SS 304 internals</div> <div>→ Manifolds, base frame – GI</div> <div>→ Other material of construction available on request</div>	<div>→ Pumps with SS 304 internals</div> <div>→ Manifolds, base frame – GI</div> <div>→ Other material of construction available on request</div>
Applications	<div>→ Pressure boosting</div> <div>→ Tank filling</div> <div>→ Water transfer</div> <div>→ Gardening</div>	<div>→ Pressure boosting</div> <div>→ Tank filling</div> <div>→ Water transfer</div>	<div>→ Pressure boosting</div> <div>→ Tank filling</div> <div>→ Water transfer</div>
Options Available	<div>→ With complete SS 304 monobloc pumps</div> <div>→ With vertical inline multistage pumps</div>	<div>→ With complete SS 304 monobloc pumps</div> <div>→ With vertical multistage pumps in SS 316L and SS grade of manifolds</div> <div>→ BMS compatibility with Communication system</div>	<div>→ With vertical multistage pumps in SS 316L and SS grade of manifolds</div> <div>→ BMS compatibility with Communication system</div>





Wilo – Submersible Drainage and Sewage Pumps



Product	Submersible Dewatering Pumps FAS/MPDP/CP/DP/KS/TS	Submersible Sewage Pumps TC/STS/FAC/TP/FA/MPSP	Submersible Cutter Pumps MTS/MTC
Range	Flow upto: 340 m³/hr	Flow upto: 8000 m³/hr	Flow upto: 19 m³/hr
	Head upto: 68 m	Head upto: 100 m	Head upto: 56 m
	Temperature: up to 95°C	Temperature: up to 60 °C	Temperature: up to 70°C
	Delivery size: DN 32 – DN 100	Delivery size: DN 32 – DN 600	Delivery size: DN 32 – DN 40
	Passage size: up to 25 mm	Passage size: up to 200 mm	
Product/ Design Features	<div>→ Available in single & three phase</div> <div>→ Stationary/portable installation</div> <div>→ With/without agitator</div> <div>→ Inbuilt level sensor</div> <div>→ Wet pit/dry pit installation</div> <div>→ Flameproof motor (optional)</div>	<div>→ Available in single & three phase</div> <div>→ Stationary/portable installation</div> <div>→ With/without agitator</div> <div>→ Inbuilt level sensor</div> <div>→ Flameproof motor (optional)</div>	<div>→ Available in single & Three Phase</div> <div>→ Stationary/portable installation</div> <div>→ Inbuilt level sensor</div> <div>→ Flameproof motor (optional)</div>
Material of Construction	<div>→ Casing: Cast iron/SS/polyurethan</div> <div>→ Impeller: Cast iron/SS/ polyurethane</div>	<div>→ Casing: Cast iron/SS/polyurethan</div> <div>→ Impeller: Cast iron/SS/ polyurethane</div>	<div>→ Casing: Cast iron</div> <div>→ Impeller: Cast iron</div>
Applications	<div>→ Basement dewatering</div> <div>→ Dewatering at construction sites</div> <div>→ Treated effluent transfer</div>	<div>→ Sewage transfer</div> <div>→ Sewage effluent transfer</div> <div>→ Sewage treatment plants</div>	<div>→ Kitchen sewage</div> <div>→ Hospital waste water</div> <div>→ Sewage transfer</div> <div>→ Sewage effluent transfer</div>



Wilo – Fire Fighting Sets



Product	Multistage pumps	Multistage multi outlet pumps
Range	Flow upto: 1000 m³/hr	Flow upto: 1000 m³/hr
	Head upto: 1500 m	Head upto: 1500 m
	Temperature: up to 160°C	Temperature: up to 160 °C
	Delivery size: DN 32 – DN 250	Delivery size: DN 32 – DN 250
Product/ Design Features	<div>→ Stages : 3 to 15</div> <div>→ Radial flow impellers with vane diffusers</div> <div>→ Mechanical seal/gland packing</div> <div>→ Grease lubricated anti-friction bearings</div>	<div>→ Stages : 3 to 15</div> <div>→ Multi outlet design</div> <div>→ Radial flow impellers with vane diffusers</div> <div>→ Mechanical seal/gland packing</div> <div>→ Grease lubricated anti-friction bearings</div>
Material of Construction	<div>→ Casing: Cast iron/SS/NiCi/WCB</div> <div>→ Impeller: Cast iron/ Bronze/SS/ NiCi/WCB</div>	<div>→ Casing: Cast iron/SS/NiCi/WCB</div> <div>→ Impeller: Cast iron/ Bronze/SS/ NiCi/WCB</div>
Applications	<div>→ Fire fighting for high rise buildings</div> <div>→ Pressure boosting</div> <div>→ Water transfer</div>	<div>→ Fire fighting for high rise buildings</div>

Electric Motor Driven Sets
End suction, horizontal split case, multistage–single/ multi outlet pumps with electric motor.
→ Enclosure–TEFC/ SPDP
→ Voltage – 415V
→ Frequency – 50 Hz

Diesel Engine Driven Sets
End suction, horizontal split case, multistage–single/ multi outlet pumps with radiator cooled and heat exchanger cooled diesel engine.
Accessories (On request):
→ Control panel
→ Fuel tank
→ Battery
→ Battery cable

Jockey Pump
End suction and vertical inline multistage pumps with electric motor.
→ Enclosure–TEFC/ SPDP
→ Voltage–415 V
→ Frequency–50 Hz



Product	Vertical Inline Multistage Pumps MVI	Vertical Inline Multistage Pumps Helix	Horizontal Monobloc (SS Version)
Range	Flow upto: 140 m³/hr	Flow upto: 85 m³/hr	Flow upto: 24 m³/hr
	Head upto: 220 m	Head upto: 240 m	Head upto: 65 m
	Temperature: up to 120°C	Temperature: up to 120°C	Temperature: up to 110°C
	Delivery size: DN 25 – DN 100	Delivery size: DN 25 – DN 80	Delivery size: DN 25 – DN 40



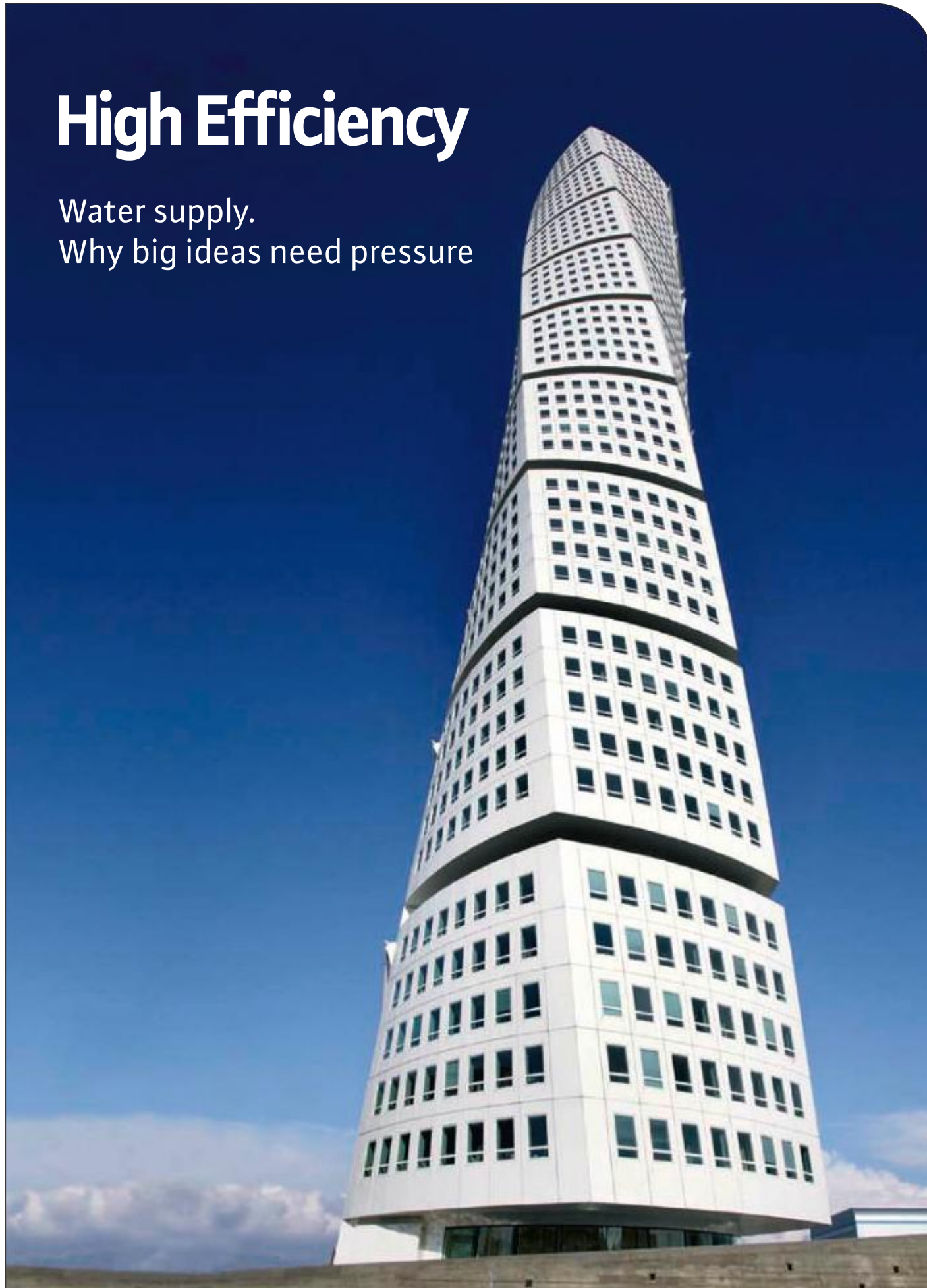
Product	Self Priming Monobloc Pumps	Non Self Priming Monobloc Pumps	Open Well Submersible Pumps
Range	Flow upto: 5 m³/hr	Flow upto: 110 m³/hr	Flow upto: 88 m³/hr
	Head upto: 50 m	Head upto: 80 m	Head upto: 62 m
	Temperature: up to 40°C	Temperature: up to 60°C	Temperature: up to 40°C
		Delivery size: DN 40 – DN 80	Delivery size: DN 40 – DN 80



Product	Single Pump Booster	Circulators	Bore Well Pumps (SS Version)
Range	Flow upto: 13 m³/hr	Flow upto: 100 m³/hr	Flow upto: 130 m³/hr
	Head upto: 65 m	Head upto: 18 m	Head upto: 420 m
	Temperature: up to 60°C	Temperature: up to 110°C	Temperature: up to 40°C
	Delivery size: DN 25 – DN 40		Delivery size: DN 32 – DN 150

High Efficiency

Water supply.
Why big ideas need pressure



CCS HVAC Controller



Variable speed Pump Control unit for HVAC System.

Wilo-Mather and Platt Pumps Limited CCS HVAC (Comfort Controller HVAC) controller is based on state-of-the-art technology with flexibility to meet the current and future customer requirements. The CCS HVAC Controller is specially designed for automatic control for pumps in parallel, integrated with Variable frequency drives in duty as well stand by operation in heating ventilation and air conditioning application. The CCS HVAC controller is equipped with a multi color, wide screen, user friendly touch screen with HMI(Human machine interface) which offers a very simplified control and input unit, menu navigation for easy operation and control.

The CCS HVAC Controller operates the pumps to meet the changing system demand received by the sensors by varying the speed of the pumps to meet the system requirement and resulting in energy saving operation.

Standard Features

- Wall Mounted/Floor Mounted Enclosure
- Internal Circuit breaker with door interlock
- System can control 1 – 6 pumps, extendable up to 8 Pumps
- Microprocessor based pump logic controller. In built PID with auto/manual tuning
- Embedded logic to prevent pump hunting, pump flow surges and motor overheating
- Multi color, wide screen (5.6"), High resolution HMI with 24VDC power supply
- On screen menu driven functions
- Manual and Automatic System control (Man-off-Auto)
- Multi level user password security
- Alpha Numerical Alarm and Fault data login
- Remote start/stop mode
- End Of curve protection
- Each Pump operational data
- Set value VS process value Graph
- Sensor operation mode selection i.e. Max, Min, Avg, or Most deviated
- Communication ports RS232, 2xRS 485, 2xUSB
- Each VFD data read out on screen
- Supports Mod Bus RTU Protocol
- Controllers available with VFD's, with/without bypass starter and single/multiple DPT's. VFD inside the enclosure with/without bypass starter and single/multiple DPT's. Customised panels on request.
- Analogue inputs for Remote set point, Differential pressure sensors and Flow

Optional Features

- Encl with or without provision for VFD
- BACNET, Ethernet TCP/IP and other communications protocol modules on request

Dimensional Data

- Size(in mm) : 500hx500wx250d
- Approximate Weight : 30Kgs

VR HVAC Controller



Variable speed Pump Control unit for HVAC System.

Wilo-Mather and Platt Pumps Limited, VR HVAC Controller is specially designed for automatic control of pumps in heating, ventilation and air conditioning applications. The VRHVAC controller is used along with Variable frequency drives and Differential transmitter to control the differential pressure in a system as a function of the load. VR HVAC controller offers a simplified control and ease of operation. The VR HVAC Controller operates the pumps to meet the changing system demand received by the sensors by varying the speed of the pumps to meet the system requirements and resulting in energy saving operation.

Standard Features

- Wall Mounted/Floor Mounted Enclosure.
- Internal Circuit breaker with door interlock.
- System can control 1–4 pumps max.
- Automatic pump alteration.
- Duty and standby selection of the pump.
- Microprocessor based pump logic controller with built in PID.
- Control Modes Delta PC and Delta PV.
- Embedded logic to prevent pump hunting, pump flow surges and motor overheating.
- LCD with Back-lit Display.
- On screen menu driven functions with rotary switch.
- Emergency operation mode.
- Password protection for security.
- Alarm and Fault data login.
- Common Failure and Operation relays.
- Remote start/stop mode.
- Analogue inputs for Remote set point.
- Each Pump operational data.

Optional Features.

- Encl with or without provision for VFD.
- Communication ports to receive data from Variable frequency drive.

Dimensional Data

- Size (in mm) : 500hx500wx250d
- Approximate Weight : 30Kgs.

References



Olympic Stadium,
Kiev, Ukraine, Europe

The Hague City Hall,
The Hague, Netherlands, Europe



Shopping center GIPPO,
Minsk, Belarus, Europe



The Place, Beijing,
Beijing, China, Asia



References



Supply:

- 7 Nos pressure boosting system
- 12 Nos dewatering/ sewage submersible pumps
- 6 Nos control panels for dewatering/ sewage submersible pumps
- 24 Nos HVAC pumpsets
- 4 Nos Fire fighting pumps sets

Client:

Seven Hills Hospital, Mumbai

- Supply:**
- HVAC
 - 10 Nos pump sets for primary pumping
 - 6 Nos pump sets and control panels for secondary pumping
 - FIRE
 - 10 Nos pump sets for condenser pumping
 - 11 Nos fire fighting sets along with jockey pump
- Client:**
- Amanora Park Town Mall, Pune



Supply:

- 6 Nos pressure boosting systems
- 22 Nos dewatering/ sewage submersible pumps
- 11 Nos control panels for dewatering/ sewage submersible pumps

Client:

Hotel Sofitel, Mumbai

- Supply:**
- 3 Nos Multistage Multioutlet Fire fighting Pumpsets
- Client:**
- The Grand Central (ITC Hotel), Mumbai

