



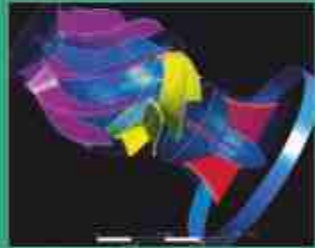
WILO SE,
Northkirchen street, 100
44263 Dortmund
Germany

Mather+Platt

THE FUTURE OF PUMPS SINCE 1870

Mather & Platt Pumps Ltd,
(A subsidiary of WILO SE, Germany)
Mumbai Pune Road, Chichwad,
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INDIA

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Fax: +91 20 27442111

Email:
enquiry@pun.matherplatt.co.in
services@pun.matherplatt.co.in

Region /Branch	Mobile No	Telephone	Email id
Bangalore	+919900139783	+918022201598	mnpblr@matherplatt.com
Baroda	+919825030929	+912652334289	mnpbrd@matherplatt.com
Bhubaneshwar	+919937048900	+916742541738	mnpbhu@matherplatt.com
Bokaro	+91 9915283675	-----	mnpbok@matherplatt.com
Chandigarh	+919915083875	+911723913891	mnpchd@matherplatt.com
Chennai	+919940125001	+914428251171	mnpchn@matherplatt.com
Delhi	+919811717544	+911140811111	mnpdel@matherplatt.com
Hubli	+919741125941	-----	mnpHub@matherplatt.com
Indore	+919826786218	+917314003570	mnpind@matherplatt.com
Jaipur	+919929112211	+911414038844	mnpjai@matherplatt.com
Kochi	+91 9744999055	-----	mnpkoc@matherplatt.com
Kolkatta	+919830043702	+913322437881	mnpkol@matherplatt.com
Lucknow	+919839204722	+915222239556	mnpiko@matherplatt.com
Mumbai	+919820421086	+912266910769	mnpmum@matherplatt.com
Nagpur	+919823031944	+917122245519	mnpnag@matherplatt.com
Pune	+919822761189	+912027442100	mnppun@matherplatt.com
Raipur	+919893550664	+917714055911	mnprra@matherplatt.com
Rajkot	+91 9687611587	-----	mnprra@matherplatt.com
Ranchi	+919934360074	+916512207904	mnprra@matherplatt.com
Secundrabad	+919885016660	+914027544347	mnpshyd@matherplatt.com

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Local Contact

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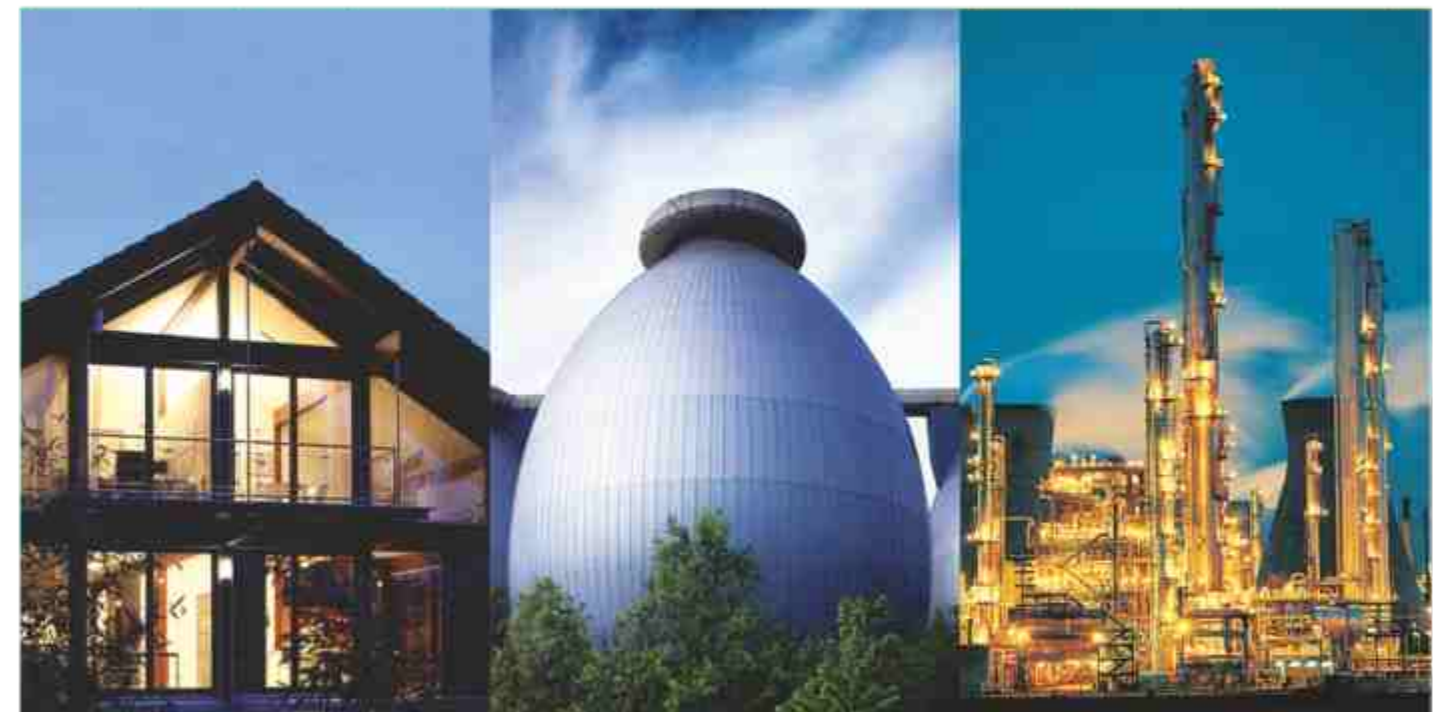
Product Range Overview

WILO

Mather+Platt

The Fine Art of Handling Water

● Pumps ● Pumping Systems ● Firefighting Systems ● Valves



Building Services

Water Management

Industry

Wilo Headquarter



Dortmund, Germany

Mather & Platt, Manufacturing unit



Pune, India



Kolhapur, India

Credentials



ISO 9000 : 2000



ISO 14001 : 2004

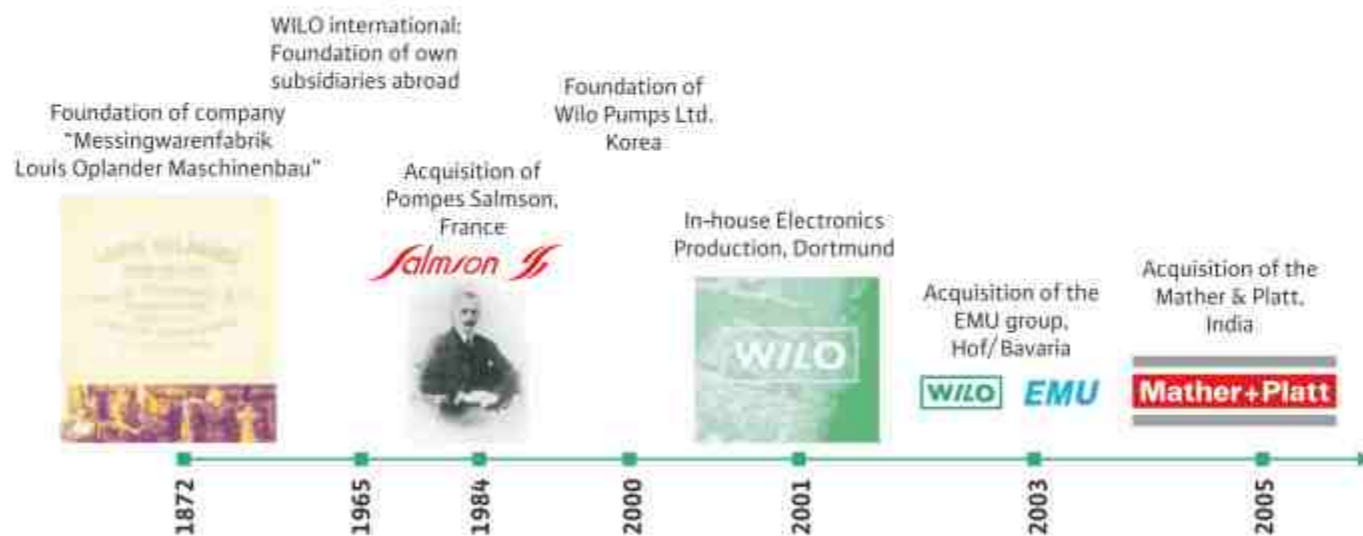


CE Marketing



UL Listing

Evolution of WILO Group



Overview of Mather & Platt range

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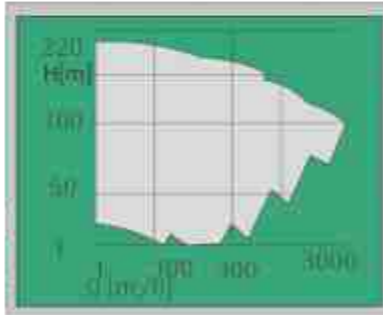


Pump Type	Standard Horizontal Split Case Pump	Engineered Horizontal Split Case Pump	Vertical Turbine Pump
Product image			
Flow up to	3400 m ³ /hr	18000 m ³ /hr*	40000 m ³ /hr*
Head up to	235 m	270 m*	450 m*
Temperature up to	120 °C	120 °C*	80 °C*
DN	50 – 400	50 – 1200*	100 – 2000*
Design Features	Mounting: Inline Horizontal Stages: Single/ Double Single/Double Suction Impellers Shaft with Sleeves Grease lubricated antifriction bearing Mechanical Seal/ Gland Packing	Mounting: Inline Horizontal Stages: One/Two/Three stage Single/Double suction Impellers Grease/ Oil lubricated antifriction bearings Mechanical seal/ Gland Packing	Vertical wet pit Stages: Single / Multistage Closed Impeller Above or below floor discharge Pumped medium lubricated line shaft bearings Non pull out bowl/ rotating element Antifriction bearings
Optional Features	Mounting: Vertical	Mounting: Centre line/ Vertical Drive Connection: Direct/ Cardan Shaft Bush Bearing Staggered vane design for Fan Pump application Special Suction/ Delivery orientation* Instrumentation & Controls	Caission/ Cannister construction Tilted pad thrust bearings with cooling arrangement, Semi-open impellers Oil/ External water lubricated line shaft bearings Pull out rotating element, Instrumentation & Controls
Material of Construction	Casing - Cast Iron Impeller - Cast Iron / Bronze/ SS (CF8M)	Cast Iron, Bronze, Ductile Iron, Cast Steel, Ni Resist, Stainless Steel, Duplex Stainless Steel & special alloys	Cast Iron, Bronze, Ductile Iron, Mild Steel, Cast Steel, Ni Resist, Stainless Steel, Duplex Stainless Steel & special alloys
Applications	Water Supply/ General Industry Building Service/ Fire Fighting Spray irrigation/ District heating	Water Supply/ General Industry Ports & Docks/ Fire fighting Irrigation/ Marine Desalination	Water Supply/ Irrigation Cooling Water for Power Plant Flood Control/ Condensate Extraction General Industry/ Fire fighting
Prime movers	Electric motors	Electric motors/ Diesel Engines Steam Turbine with gear box or cardan shaft	Electric motors Diesel Engines via right angle gear box Steam Turbine via right angle gear box
Range of Application (50 Hz)			
All products are available in 60 Hz also.			




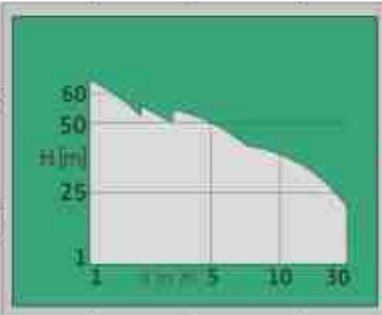

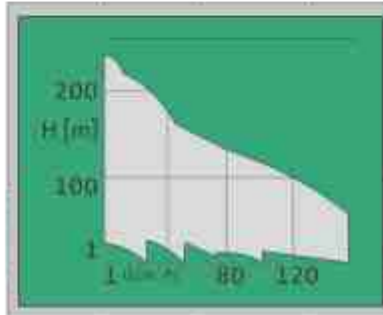
* Bigger/ higher parameters on request For further information, please visit matherplatt.com or contact +912027442100/mail to sales@pun.matherplatt.co.in

Pump Type	Multistage Ring Section Pump	End Suction Pump as per ISO 2858	Norm Pump as per EN733
Product image			
Flow up to	1000 m ³ /hr*	750 m ³ /hr*	600 m ³ /hr
Head up to	1800 m*	170 m*	150 m
Temperature up to	160 °C*	120 °C*	120 °C
DN	32 – 250 *	32 – 150	32 – 150
Design Features	Mounting: Horizontal Stages: 3 to 15 Radial Flow Impellers with vane diffusers Mechanical Seal/ Gland Packing Grease lubricated antifriction Bearings	End Suction Top Discharge Mounting: Horizontal Stage: Single Back Pullout design Closed Impeller Mechanical Seal/ Gland Packing Grease lubricated antifriction bearings	End Suction Top Discharge Mounting: Horizontal Stage: Single Back Pullout design Closed Impeller Mechanical Seal/ Gland Packing Grease lubricated antifriction bearings
Optional Features	Mounting: Centreline/ Vertical Multi-outlet design Balance valve design for axial thrust Bush Bearing/ Roller Bearing	Mounting: Centreline/ Vertical Semi-open Impeller Oil lubricated antifriction bearings	
Material of Construction	Cast Iron, Bronze, Ductile Iron, Cast Steel, Ni Resist, Stainless Steel, Duplex Stainless Steel & special alloys	Cast Iron, Bronze, Ductile Iron, Cast Steel, Ni Resist, Stainless Steel, Duplex Stainless Steel & special alloys	Casing - Cast Iron Impeller - Cast Iron / Bronze
Applications	Mine dewatering Descaling in Steel mills Boiler Feed application Reverse Osmosis for Desalination Plants Water Supply / General Industry Fire fighting	General Industry Chemical & Process Water supply Building Service / Fire fighting Irrigation / Sprinkler system	Building Service Sprinkler Systems Water Supply General Industry
Prime movers	Electric motors Diesel Engines Steam Turbine	Electric motors Diesel Engines	Electric motors
Range of Application (50 Hz)			
All products are available in 60 Hz also.			




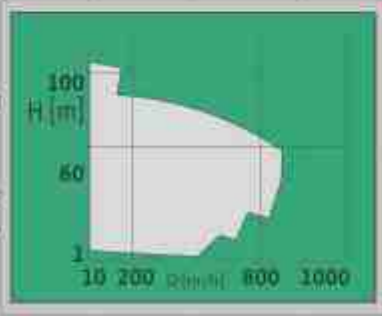

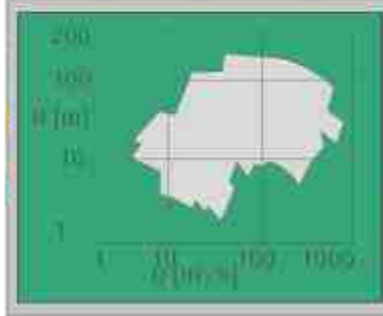
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Pump Type	End Suction - Monobloc Pump	Close Coupled Horizontal Pump	End Suction Pump Engineered/Special
Product image			
Flow up to	110 m ³ /hr*	360 m ³ /hr	3000 m ³ /hr*
Head up to	80 m*	110 m	220 m*
Temperature up to	60 °C*	140 °C	120 °C*
DN	40 - 80*	32 - 100	50 - 400*
Design Features	Mounting: Horizontal Monobloc design Stage: Single With TEFC enclosures & class F, insulated IP 44 motors (2 - 30 hp*) Mechanical Seal/Gland Packing Pre-greased, double sealed bearings	Low Pressure End suction Top Discharge Pump Mounting: Horizontal Stage: Single/Close coupled design KTL Coating for Corrosion Protection 3 Phase standard IEC IP 55 motors Mechanical seal	End Suction Top Discharge Mounting: Horizontal Stage: Single Back Pullout design Closed Impeller Mechanical Seal/Gland Packing Grease/Oil lubricated antifriction bearings
Optional Features	Submersible Monobloc design Single & Three phase motors IP 55 motors	High efficiency motors Flameproof motors	Mounting: Centreline/Vertical Delivery flange orientation change possible Bush Bearing
Material of Construction	Casing - Cast Iron Impeller - Cast Iron / Bronze	Casing - Cast Iron Impeller - Cast Iron / Bronze	Cast Iron, Bronze, Ductile Iron, Cast Steel, Ni Resist, Stainless Steel, Duplex Stainless Steel & special alloys
Applications	Irrigation Water Supply HVAC Fire fighting General Industry	Building Service Hot water Water Glycol mixture Cold water without abrasive substances	Water Supply/ General Industry Paper & Pulp/ Building Service Fire fighting/ Irrigation/ sprinkler system Treated Effluent
Prime movers	Electric motors	Electric motors	Electric motors Diesel Engines
Range of Application (50 Hz)			
All products are available in 60 Hz also.			

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Pump Type	Horizontal Monobloc Pump	Single Pump Booster	Vertical Inline Pump
Product image			
Flow up to	34 m ³ /hr*	25 m ³ /hr	155 m ³ /hr
Head up to	95 m*	68 m	235 m
Temperature up to	110 °C*	110 °C	120 °C
DN	25 - 32	25 - 32	25 - 100
Design Features	Mounting: Horizontal Stages : 2 to 7 Corrosion proof wetted components Mechanical Seal with EPDM/ Viton elastomers	Pressure Boosting systems with Single pump in Horizontal or vertical inline design corrosion proof wetted parts	Mounting: Vertical Inline Stages: 2 to 24 Antifriction Bearings Corrosion proof wetted components Mechanical seal with EPDM/ Viton elastomers Connection: Round
Optional Features	Self priming models Electronic control motor Single & Three phase	Fitted with Fluid Control or pressurised tanks & with float switch/ pressure switch Option of inline shower	Connection: Oval / Victaulic VFD on motor Single & Three phase motors High efficiency motors Flameproof motors
Material of Construction	Casing - SS (304/316L) /Cast Iron Impeller - SS (304/316L)	Casing - SS (304/316L) /Cast Iron Impeller - SS (304/316L) / Cast Iron	Casing - SS (304/316L) /Cast Iron Impeller - SS (304/316L)
Applications	Water Supply Pressure Boosting Industrial Washing Sprinkling Systems General Industry	Pressure Boosting for Residential Buildings Bathroom Shower panels	Water Supply Pressure Boosting Jockey pump in firefighting Boiler feed, Industrial Washing Sprinkling Systems General Industry
Prime movers	Electric motors	Electric motors	Electric motors
Range of Application (50 Hz)			
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Pump Type	Close Coupled Inline Vertical Pump	Multi-Pump Booster	Vertical Sump Pump
Product image			
Flow up to	800 m ³ /hr*	900 m ³ /hr*	750 m ³ /hr*
Head up to	110 m*	235 m*	220 m*
Temperature up to	140 °C*	120 °C*	150 °C*
DN	32 - 250	32 - 100	32 - 200*
Design Features	Low Pressure Inline pump Stage: Single Stage Close coupled design KTL Coating for Corrosion Protection 3 Phase standard IEC IP 55 motors Mechanical seal	Multi-pump Pressure Boosting system from two up to eight pumps in Stainless Steel construction, Fitted on a common baseplate with vibration dampers	Vertical wet pit volute pump with dry motor Stage: Single Closed Impeller Oil lubricated bearing arrangement Antifriction bearing Mechanical seal/ Gland Packing
Optional Features	VFD on motor High efficiency motors Flameproof motors Twin head pumps	Horizontal / Vertical Pumps Variety of panels with floating VFD/ with dedicated VFD/ Without VFD, with PLC/without PLC, panels with customized requirements,	Semi-open Impeller
Material of Construction	Casing - Cast Iron Impeller - Cast Iron / Bronze	Casing - SS (304/316L) / Cast Iron Impeller - SS (304/316L)	Cast Iron, Bronze, Ductile Iron, Cast Steel, Ni Resist, Stainless Steel, Duplex Stainless Steel & special alloys
Applications	Building Service Hot water Water Glycol mixture Cold water without abrasive substances	Pressure Boosting for Commercial complexes, Hotels, Industries, etc.	Emergency oil pump Dewatering
Prime movers	Electric motors	Electric motors	Electric motors
Range of Application (50 Hz)			
All products are available in 60 Hz also.			

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Pump Type	Drypit Nonclog Sewage/ Wastewater Pump	Submersible Sewage Pump	Submersible De-watering Pump
Product image			
Flow up to	8000 m ³ /hr*	8000 m ³ /hr	340 m ³ /hr
Head up to	70 m*	100 m	68 m
Temperature up to	90 °C*	60 °C*	95 °C
DN	50 - 800*	32 - 600*	32 - 150
Design Features	End Suction Top Discharge Mounting: Horizontal Stage: Single Casing with hand hole inspection cover Mechanical Seal/ Gland Packing Large Free Passage up to 200 mm Grease lubricated antifriction bearing	Vertical Submersible Sewage Pumps Stage: Single Non clog (Free flow/ single/ multi channel) impeller Large free passage size up to 200 mm Double mechanical seal Oil barrier chamber with float switch Winding/ Bearing temperature indicators/ Moisture Sensor	Vertical Submersible Dewatering Pumps Stage: Single Free flow impeller Free passage size up to 45 mm Double mechanical seal Oil barrier chamber with float switch Winding temperature indicators Moisture Sensor
Optional Features	Mounting: Vertical Delivery flange orientation change possible Bush Bearing	Stationary / Portable installation Dry/ Wet pit installation With/ Without macerator Mixer head for agitation With/Without ceram coating for aggressive liquids	Stationary / portable installation Dry/ wet pit installation With/ without turbulator Level sensor for Single phase versions With/ without ceram coating for aggressive liquids
Material of Construction	Cast Iron, Bronze, Ductile Iron, Cast Steel, Ni Resist, Stainless Steel, Duplex Stainless Steel & special alloys	Casing - Cast Iron/ Engineering Plastic Impeller - Cast Iron / SS / Engineering Plastic Other materials on request*	Casing - Cast Iron/ Engineering Plastic Impeller - Cast Iron / SS / Engineering Plastic
Applications	Municipal Raw Sewage transfer Sewage treatment plants Effluent treatment plants Dirty Water in Industry Sugar Mills	Municipal Raw Sewage transfer Sewage treatment plants Effluent treatment plants Dirty Water in Industry	Dewatering dirty water containing sand Construction sites Fountains
Prime movers	Electric motors	Submersible Electric motors with IP68 protection variety of motors include oil cooled, Media cooled motors, Flameproof motors	Submersible Electric motors with IP68 protection with Variety of motors include oil cooled, Media cooled motors, Flameproof motors
Range of Application (50 Hz)			
All products are available in 60 Hz also.			

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Pump Type	Mixer/Re-Circulation Pump	Submersible borehole Pump	Circulator
Product image			
Flow up to	4.25 m ³ /hr	2500 m ³ /hr	80 m ³ /hr
Head up to	-	580 m	14 m
Temperature up to	40 °C	40 °C	130 °C
DN	-	25 – 400*	25 – 125
Design Features	Submerged operating mode: S1 Protection class: IP 68 Two-stage planetary gear with exchangeable second planetary gear Permanently lubricated anti-friction bearing Max. submersion depth: 12.5 m	Submersible, multistage borehole pump with radial impellers suitable for 100 mm, 600 mm bore sizes Integrated non-return valve Max. sand content : 50 g/m ³ Up to 20 starts per hour Protection class: IP 58 / IP 68 Single/ Three phase motor with NEMA motor	Glandless circulation pump with threaded connection or flange connection, EC motor and automatic power adjustment. Single/Three phase
Optional Features	Stationary/ Flexible installation via lowering device Can be swivelled horizontally for installation with lowering device Installation with stand allows free placement in basin Single-stage planetary gear	Horizontal installation Cooling jacket	Pre-selectable speed stages Full motor protection Combination flanges PN 6/ PN 10 Thermal insulation shells as standard for heating applications Red-button technology for easy operation
Material of Construction	Engineering Plastic Grey Cast Iron	Engineering Plastic, Grey Cast Iron, Stainless Steel, Bronze, other material on request	Engineering Plastic Grey Cast Iron
Applications	Swirling of deposits and solids Destruction of floating sludge layers Activated sludge tanks for creation of fluid current Homogenisation and prevention of floating sludge layer Industry, agriculture & water supply	Sprinkling & Irrigation Pressureboosting Water supply from borehole Process water supply Utilisation of geothermal energy and off-shore applications Fountains, snow cannons	Hot-water heating systems of all kinds, industrial circulation systems, cold-water systems and air-conditioning systems
Prime movers	Electric motors	Electric motors	Electric motors
Range of Application (50 Hz)			
All products are available in 60 Hz also.			

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Pumping System	Turnkey Firefighting System	Butterfly & Non-return Valves	Prime Movers
			
Design, Engineering, Manufacturing, Testing, Erection, Commissioning, Operation & Maintenance of Pumping Systems along with allied electro-mechanical and instrumentation & control works on turnkey basis. Civil works for construction of Pumping stations are also undertaken to provide one stop solution.	Complete range of Fire Fighting Pumps & Fire Fighting Management Systems for Buildings & Industry on turnkey basis	Butterfly Valves: Cast/fabricated construction, double Eccentric, double flanged Butterfly Valves suitable for bi-directional application conforming to DIN 3354 (Part 1/2)	Electrical Motors: Types : Slip Ring & Squirrel cage Induction motors as per NEMA - MG1 & IEC standards Volts : 415/3300/6600/11000V Rating : up to 4000 kW Frequency : 50Hz/60 Hz Enclosure : TETV, TEFC, SPDP, CACW, CACA Protection : IP55, 56 Flame proof motors: As per IEC standards for Mining operations. All motors come with standard accessories. Optional accessories are offered on demand.
Services Offered: Techno-commercial feasibility study of pumping system Project Execution & Management Piping layout & mechanical design Sump model study Electrical Power & Control Schemes Instrumentation & Control with PLC/SCADA based operation Surge Analysis Energy Audit Retrofitting	Specialises in following types of Systems Water / Gas / Foam based Fire Detection & Alarm (Conventional & Addressable type)	Size: 250 mm to 2600 mm PN rating: 6/10/16/25 bar Manual / Electric Operation Actuator: Electric / Electro-hydraulic	Material of Construction: Body & valve disc: Cast Ductile Iron, Cast Steel, Fabricated Steel Shaft: ASTM A276 Seal ring: EPDM Internal hardware: Stainless steel Flange drilling as per BS 4504/ IS1538/ ANSI B16.5
Engineering Capabilities: Intake design using CFD Geometric modeling Finite Element Analysis	Standard Fire fighting system includes: Main Pump with prime mover Jockey Pump with prime mover Hydrant lines Deluge valves Spray Nozzles Fire detection equipment Instrumentation & Control Panels Complete accessories	Non-return Valves : Cast / fabricated construction, double flanged, compact design swing check type Non Return Valves with face to face distance maintained as per EN 558-1 series 14 Size: 250 mm to 1000 mm PN rating: 10/16/25 bar	Material of construction: Body & valve disc: Cast iron, Cast Steel, Fabricated steel Valve seat: Stainless steel/ Bronze Shaft : Stainless steel Flange drilling as per BS 4504/ IS1538/ ANSI B16.5
			
Markets Served: Residential & Commercial Buildings Petrochemicals & refineries Power Plants Chemical & Fertilizers General Industry	Standards followed : Pumps comply to guidelines of NFPA 20 / UL 448 / Other standards on request*	Applications: Water Mains & Distribution General Industry	Diesel Engines: Types : 4 stroke naturally aspirated & turbocharged. Radiator, heat exchanger cooled Power : up to 1040 hp@1500 rpm Displacement : 6/8/14/19/28 All diesel engines come with standard accessories. Optional accessories are offered on demand.
Accessories: Unitised sets with essentials accessories as requested by the customer can also be provided by us to save time & energy.	Scope of Supply may include: Baseframe, Coupling with Coupling Guard, Valves, Companion flange, Flushing / Sealing Plan, Instrumentation and controls	Steam Turbine: Single stage/ Multi stage Condensing/ Non-condensing type Steam Turbines suitable for handling Superheated/ Saturated process steam along with Gear Box and Oil lubrication system	Optional Features: Desuperheater with silencer PLC based Control Panel Acoustic Enclosure

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