


XYLEM INDUSTRIAL SOLUTIONS

**INDUSTRIAL-STRENGTH
THINKING
SOLVES MORE THAN WATER**

POWER GENERATION

Integrated water management solutions to
make your power generation more powerful



Change fluid management from an expense to an advantage

Your job is to run a productive plant.

Xylem's is to look holistically at your industrial water and fluid management needs and change them from a necessary expense to a strategic advantage through innovation that reduces effort, energy and waste.

We leverage four unique strengths to do it:

Industrial water experts

With 170 years of experience, we've seen it, done it, and designed for it. So, you can trust our Industrial water and fluid management experts to help solve your most complex challenges with the right equipment and services, no matter the application.

Broad portfolio

Your process depends on high quality water and fluids. Our reliable, efficient water supply, pressure boosting, industrial water management, treatment and wastewater solutions ensure the fluids you rely on will always be ready to work.

Smart connectivity

Our smart solutions ensure real-time monitoring and powerful data analytics for useful insights that remove guesswork and worry from your Industrial water and fluid management system, so it can run at peak efficiency all the time.

True business partners

We look holistically at your industrial water and fluid management needs and find ways to change them from a necessary expense to a strategic advantage. That's the real benefit of working with Xylem.

Maximize Your Efficiency

A different approach to fluid management yields different results. Very different.

Water is crucial to power generation. And regardless of who you are in the value chain or the type of power plant, our industrial water experts can help you master the water cycle to make power generation more powerful.

We offer water management solutions for:

- Hydropower
- Geothermal Power
- Concentrated Solar Power
- Coal fired & Gas fired Power
- District heating

And at every step of the value chain from design to operation

- Power plant designers and engineers
- Original equipment manufacturers (OEMs)
- Power plant operators



Xylem Solution for Power Generation

Xylem engineers the highest quality equipment and connects it in ways that reduce the need for water, energy and people power. We offer a full range of ruggedly reliable solutions for power generations:



End Suction Single Stage Pumps

With capacities up to 4,600 m³/h, these multi-purpose, cost-effective, rugged end suction pumps are available in a wide range of sizes and configurations, and in accordance with EN 733/DIN 24255/ISO5199/ISO 2858 standards depending on the specific product. The compact designs save space and are easy to maintain. A broad spectrum of materials and mounting options deliver quality performance specific to your application. **Available for rent.**



Multistage Pumps

With stainless steel or cast-iron construction and multiple suction and discharge orientations, these pumps are designed to handle virtually any high-pressure application including filtered water, boiler feed and boosting, deaeration, and general applications, delivering flows to 1800 m³/h. **Available for rent.**



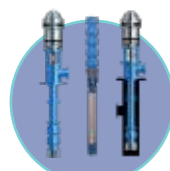
Submersible and Slurry Pumps

Our patented, self-cleaning pumps set a high standard for clog-free operation and solids control, while intelligent pump functionalities and advanced monitoring and control equipment help it adapt to operating conditions in real time to deliver sustained high efficiency and long-term reliability at lower, more predictable costs. **Available for rent.**



Drainage Pumps

Get automatic priming to 8.5 meters of suction lift and indefinite dry running capability for water, wastewater or industrial fluids with solids up to 125mm in diameter. Our pumps include industry-leading advanced monitoring and control technology for total peace of mind. **Available for rent.**



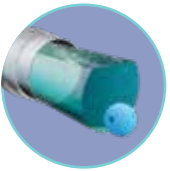
Customized split case & vertical pumps

Solve complex applications with reliability, efficiency, and uptime in a wide range of uses, including corrosive/abrasive, high/low pressure and single/multistage that can be customized to any application with head pressures exceeding 100,000 m³/h and unbeatable efficiencies of up to 92%



UV, Ozone Systems & Turbocompressors

Highly-efficient UV treatment and Ozone oxidation systems provide chemical-free and environment-friendly solutions for water, wastewater and processed water treatment and high-speed, turbo blowers with a range covering 13 different blower sizes (15-600 kW) and flow rates of 700 to 41,000 m³/hr per blower for a wide variety of industrial applications **Available for rent.**



Pipeline Inspection & Water Meters

Our diagnostic, analytic and consultative solutions lead the market in intelligent pipeline leak detection and integrity solutions for mines, power plants, well and refineries so you can deliver energy as safely and efficiently as possible, monitor assets, defer maintenance intelligently and avoid costly unnecessary maintenance.



Brainpower: For Rent

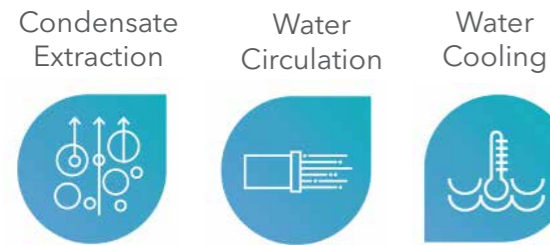
We design, engineer and manufacture our own equipment. And we rent it, too. Whether you need a fast-track, temporary fix or cost-effective long-term solution, we can help keep your operation up and running with efficiency, reliability and peace of mind.

www.xylem.com/RentalSolutions



If we don't
have it,
we'll build it.

End suction single stage water pumps



e-NSCS SERIES
Closed impeller pumps, stub shaft
According to EN 733



Capacities up to	50 Hz 1.250 m ³ /h	60 Hz 1.050 m ³ /h
Head up to	150 m	140 m
Powers up to	90 kW	90 kW
Temperature	-25°C to +140°C	

Various materials and seals options available

e-SHE-SHS-SHF SERIES
Full stainless steel (AISI 316) pumps: extend shaft, stub shaft and frame mounted
According to EN 733



Capacity up to	50 Hz 240 m ³ /h	60 Hz 240 m ³ /h
Head up to	110 m	115 m
Power up to	75 kW (extended shaft version up to 22 kW)	75 kW
Temperature	-30°C to +120°C	

Various materials and seals options available

e-NSCF/C SERIES
Closed impeller pumps, frame mounted (elastic or spacer coupling)
According to EN 733 & ISO 5199



Capacities up to	50 Hz 1.900 m ³ /h	60 Hz 2.200 m ³ /h
Head up to	154 m	155 m
Powers up to	355 kW	400 kW
Temperature	-25°C to +140°C	

Various materials and seals options available

LS SERIES
Closed impeller 16 bar pumps frame mounted
According to ISO 5199



Capacity up to	50 Hz 3.800 m ³ /h
Head up to	75 m
Temperature	210°C
Size	DN 150-600

Various materials and seals options available

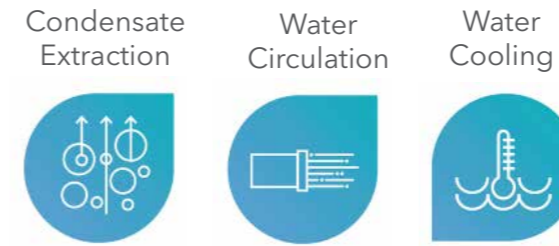
LC/LCP SERIES
Closed impeller 25 bar pumps frame mounted
According to ISO 5199



Capacity up to	50 Hz 3.800 m ³ /h
Head up to	140 m
Temperature	180°C
Size	DN 150-400

Various materials and seals options available

End suction single stage chemical pumps & Inline pumps



LSB SERIES
Single stage end suction pump in close coupled (block) design
According to ISO 2858



Capacity up to	50 Hz 520 m ³ /h	60 Hz 620 m ³ /h
Head up to	165 m	240 m
Temperature	140°C	
Size	DN 125-150	

Various materials and seals options available

LSN SERIES
Closed impeller pumps frame mounted (elastic or spacer coupling)
According to ISO 2858 & ISO 5199



Capacity up to	50 Hz 650 m ³ /h	60 Hz 720 m ³ /h
Head up to	165 m	240 m
Temperature	140°C standard (180°C extended temp available)	
Size	DN 125-150	DN 125-150

Various materials and seals options available

e-LNEE SERIES
Extended shaft



Capacities up to	50 Hz 280 m ³ /h	60 Hz 260 m ³ /h
Head up to	95 m	105 m
Powers up to	22 kW	22 kW
Temperature	-25°C to +140°C	

e-LNES SERIES
Stub shaft in-line pumps



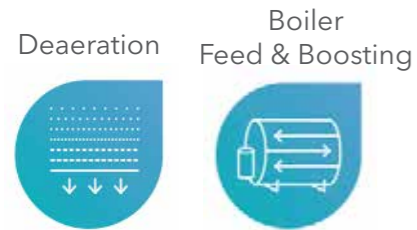
Capacity up to	50 Hz 900 m ³ /h	60 Hz 1.000 m ³ /h
Head up to	95 m	135 m
Power up to	90 kW	90 kW
Temperature	-25°C to +140°C	

e-LNTE- LNTS SERIES
Extended shaft and stub shaft in-line twin



Capacities up to	50 Hz 400 m ³ /h	60 Hz 440 m ³ /h
Head up to	92 m	112 m
Powers up to	37 kW	45 kW
Temperature	-25°C to +140°C	

Multistage pumps



e-MP Horizontal multistage pumps



Capacity up to
Head up to
Temperature
Size

50 Hz	60 Hz
850 m ³ /h	600 m ³ /h
950 m	900 m
140°C (optional up to 180°C)	
DN 50-150	

P / MP 300 Horizontal multistage pump with bearings on both ends



Capacity up to
Head up to
Temperature
Size

50 Hz	60 Hz
1.800 m ³ /h	1.200 m ³ /h
300 m	300 m
140°C	140°C
DN 80-300	DN 80-250

e-SV™ SERIES vertical multistage pumps



Capacity up to
Head up to
Power up to
Temperature

50 Hz	60 Hz
160 m ³ /h	160 m ³ /h
330 m	280 m
55 kW	55 kW
-30°C up to +120°C (high temp versions up to 180°C)	
DN 25-125	

Size

The range of pumps features 11 models and can be specially configured for a wide range of applications.

SVI SERIES submersible vertical multistage pumps



Capacity up to
Head up to
Power up to
Temperature

50 Hz	60 Hz
160 m ³ /h	160 m ³ /h
240 m	230 m
55 kW	55 kW
-30°C to +90°C	

e-MPV vertical multistage pumps



Capacity up to
Head up to
Power up to
Temperature
Size

50 Hz	60 Hz
850 m ³ /h	600 m ³ /h
630 m	630 m
355 kW	355 kW
-25°C to +140°C	
DN 50-150	

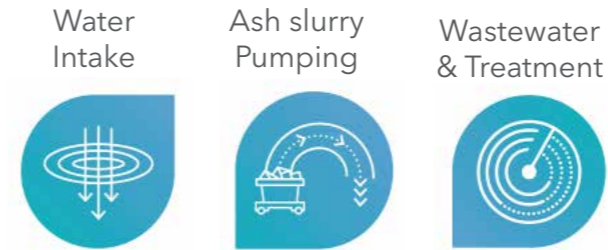
PVa Vertical multistage pump with closed, radial type impellers



Capacity up to
Head up to
Temperature
Size

50 Hz	60 Hz
850 m ³ /h	1.000 m ³ /h
300 m	300 m
140°C	140°C
DN 80-200	

Submersible & Slurry pumps



GS/Scuba/Z SERIES 4"-12" borehole pumps



Capacity up to
Head up to
Power up to

50 Hz	60 Hz
520 m ³ /h	480 m ³ /h
500 m	500 m
350 kW	350 kW

3000 Stainless steel submersible pumps with N, vortex and closed channel impellers



Capacity up to
Head up to
Power up to
Temperature

50 Hz	60 Hz
1.080 m ³ /h	1.080 m ³ /h
64 m	85 m
54 kW	66 kW
90°C*	

*Parts of assortment (C,D 3060)

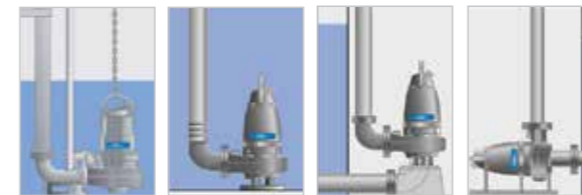
N 3000 Cast iron submersible pumps with N technology



Capacity up to
Head up to
Power up to
Temperature

50 Hz	60 Hz
10.800 m ³ /h	11.520 m ³ /h
97 m	108 m
680 kW	649 kW
70°C	70°C

Installation types:



P S T Z

P 7000 Cast iron submersible propeller pump



Capacity up to
Head up to
Power up to
Temperature

50 Hz	60 Hz
25.920 m ³ /h	25.200 m ³ /h
11 m	13 m
575 kW	578 kW
40°C	40°C

Hydroturbines Reliable and efficient submersible turbines



Power up to
Propeller ø

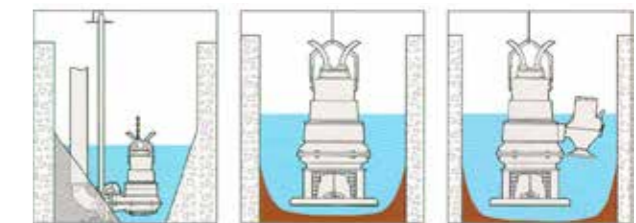
700 kW
up to 1.5m

5500 single stage submersible armour plated centrifugal pump



Capacity up to
Head up to
Temperature
Size

1.000 m³/h
85 m
<70°C
DN 100-200



Reduction and avoidance of sedimentation problems

Drainage pumps

Ash slurry
Pumping



Wastewater
& Treatment



Ready
Submersible
Dewatering pump
with or without
float switch



50 Hz
18 m³/h
14 m
0,9 kW

Capacity up to
Head up to
Power up to

2600
Submersible
Dewatering pump
with or without
float switch



50 Hz
320 m³/h
65 m
18 kW

Capacity up to
Head up to
Power up to

BIBO 2800
Submersible De-
watering pump
with or without
float switch



50 Hz
320 m³/h
65 m
18 kW

Capacity up to
Head up to
Power up to

Godwin®
Automatic Self-
Priming Pump
for construction
sites and general
dewatering



3.500 m³/h
190 m
560 kW

Capacity up to
Head up to
Power up to

Customized split case & vertical pumps

Condensate
Extraction



Water
Circulation



Water
Intake



Water
Cooling



WS
Double suction split
case pumps



Capacity up to
Head up to
Temperature
Size

50000 m³/h
160 m
<160°C
DN 125-2.000

WSY/SSE/SSF
End suction dry
pit pumps



Capacity up to
Head up to
Temperature
Size

40.000 m³/h
90 m
60°C
DN 500-1.400

NSW/NSY
End suction dry
pit pumps



Capacity up to
Head up to
Temperature
Size

5.000 m³/h
84 m
60°C
DN 100-600

VIT
Lineshaft vertical
turbine pumps



Capacity up to
Head up to
Temperature
Size

11.500 m³/h
120 m (per stage)
<100°C
DN 300-1.100

WM/WC/YDD
Vertical column
pumps, up to three
stages



Capacity up to
Head up to
Temperature
Size

90.000 m³/h
60 m (per stage)
60°C
DN 600-3.900

UV, Ozone Systems & Turbocompressors

Water Cooling



Wastewater & Treatment



Spektron Industrial Series

UV disinfection water treatment system for the disinfection of drinking water, process water, and other high UV transmittance liquids



Capacity up to 150 m³/h

LBX Series

Stainless steel reactor with tightly packed multiple Wedeco Ecoray[®] lamps arranged parallel to the flow.



Capacity up to 2.100 m³/h

PDOevoPLUS

for cooling water treatment and other industrial wastewater treatment



Ozone production 6.100 - 277.000 g/h of O₃

Spektron Series

UV disinfection water treatment system for the disinfection of drinking water, process water, and other high UV transmittance liquids



Capacity up to 4.150 m³/h

SMOevoPLUS Ozone System

for cooling water treatment and other industrial wastewater treatment



Ozone production 438 - 23.800 g/h of O₃

TurboMax

A direct-driven, high efficiency, turbo blower using the latest air foil bearing technology



Motor High Speed synchronous permanent magnet motor
 736 kW
 Power up to 300-43.000 Nm³/h
 Flow rate up to 74-85dB at 1 meter 15-375kW) depending on size (acc. ISO 3744:1944)
 Sound pressure level integrated air flow meter accuracy of +-3%
 Flow measurement ProfiNET (standard), MODBUS RTU and Profibus DP (optional)
 Communication
 Ambient temperature -10C° + 40C° (+55 in special excitation)
 Pressure 0,2-1,5 bar
 Touch screen 7" display

Pipeline Inspection & Water Meters

Pipeline Inspection



SmartBall[®] leak detection and mapping platform

This free-flowing tool is used for the assessment of pressurized water and wastewater pipelines 203 mm and larger identifies leaks as small as 0.11 liters/min with a typical location accuracy of within 1.8 meters.



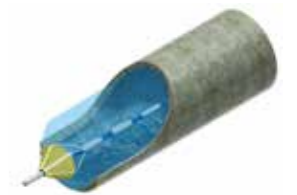
MeiStream[®] FS Flow Sensor 90 °C

- o MID approval for heating and cooling applications
- o Sizes DN 50 to DN 100
- o Interface for pulsers: HRI-Mei FS and Opto OD
- o Pressure range PN 16



Sahara[®] leak inspection

Xylem's inspection platform uses this tethered, multi-sensor tool to acoustically identify leaks and provide a variety of pipeline condition information in real time, with no disruption to service. Product flow draws the sensor through the water, while it remains tethered to the surface, allowing it to be winched back and forth to confirm the anomaly, and the precise location.



PolluStat[®] Thermal Energy Meter

- o Temperature range of the flow sensor from 5 to 130 °C, thus also ideal for "6/12 °C cooling systems"
- o Fast measuring value updates
- o Standard optical interface
- o M-Bus according to EN 1434-31
- o Integrated data logger
- o 2 bounce-free output pulses or inputs
- o Approval in class 2 according to EN 1434, measuring range (minimum to nominal flow) of 1 : 100 in horizontal and vertical position



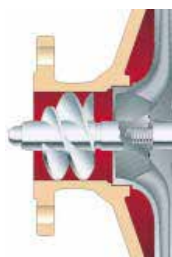
Industrial Strength Design

Our products' industrial strength design and features have been revolutionizing pump development throughout history. With hundreds of thousands of customers and millions of installations, we have more experience across more types of challenges, and can design solutions that provide more value today and tomorrow.



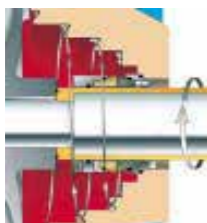
The original Diffuser

We were and continue to be the original innovators in pump building history with patents filed by Vogel (now under the Lowara brand) in 1910 patenting the diffuser for single and multi stage centrifugal pumps that revolutionized performance



Inducer Technology

The inducer function increases the inlet pressure at the impeller of the pump and avoids cavitation damage caused by low NPSH values when pumping liquids close to boiling point and with gaseous media.



Cyclone Seal Chamber

A patented cyclone seal chamber on standard and submersible pumps keeps solids away from the seal chamber and prevents wear on the mechanical seal. Spiral grooves provide a barrier to particles that want to flow inward along the cyclone to the seal chamber. The spiral grooves take up the particles and discharge them from the seal chamber through the cyclone effect.



Bearings, Seals & Hydraulic Materials

Different options available on bearings (roll bearings, greased for life, grease or oil lubricated), mechanical or cartridge seals and hydraulic materials.



Connectivity & Automation

Variable frequency drives to optimize pump performance and a wide variety of monitoring and control options to prevent downtime and maximize reliability.

Industrial Strength Services & Support

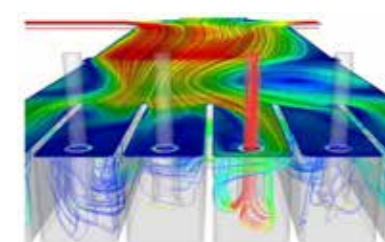
Industrial-strength thinking helps us engineer, design and manufacture the highest quality pumps and related equipment. But that's not all. We apply the same dedication and expertise to every aspect of our relationship with you. Our expertise, engineering services & tools are what makes Xylem the right choice for your industrial water and fluid management solutions.

Easy Pump Selection



The Xylect pump selection program allows you to quickly and easily select the appropriate pump for your application and help you with your design work.

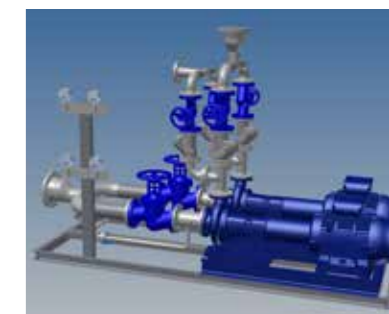
Engineering Services



Hydraulic design / calculations of pump applications / hydraulic conveyor system sections.

Material resistance considerations of working machines / pumps.

Total Systems



Configuration of conventional pump technology and submersible motor technology including required auxiliary equipment and pump components (total pump package)



Total Peace of Mind
Whether you need help maintaining your system, finding a way to lower costs, our Total Care portfolio of services will give you total confidence in your system 24/7.

Industrial-Strength Parts
Xylem designs equipment for longevity, reliability, long service cycles and low total cost of ownership. That said, there will come a time when routine maintenance is necessary. Our Genuine parts kits will extend the life longer.

Industrial Strength Thinking Works. Here's Proof.



Customized
split case
pumps for
Cooling
Water



Customized
vertical
pumps for
Cooling
Water



Multistage
pumps for
district
heating



End suction
single stage
chemical pumps
for condensate

INDUSTRIAL-STRENGTH THINKING SOLVES MORE THAN WATER.

For over 170 years, Xylem has led the way in water and fluid management. We can analyze, customize, engineer, and install a complete solution that will help you focus on your core business, build profitability and solve complex challenges the right way. Give us a call to see what industrial-strength thinking can solve for you.

Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to [Xylem.com](https://www.xylem.com)



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