

# District Heating and Cooling Networks

COMPLETE AND INTELLIGENT SOLUTIONS THAT CONTRIBUTE TO DECARBONISATION AND ENERGY SAVINGS IN BUILDINGS

## **Xylem, a committed player**

At a time of energy transition, urban district heating and cooling networks offer environmental as well as economic advantages, making them a solution for the future. Xylem supports its clients in their projects by providing intelligent pumping systems and hydraulic systems that offer the highest possible efficiency to minimise energy consumption and decrease carbon footprint. Xylem contributes to the efficiency of heat networks through energy-efficient pumps, connected meters, hydraulic optimisation solutions, and monitoring and preventive maintenance systems. Our digital solutions and leak detection provide a 360-degree view to optimise the operation of your networks and reduce energy costs.

## **Xylem solutions for district heating networks**



The most modern district heating and cooling networks incorporate multiple renewable energy sources, including waste heat and seasonal storage. Thermal balancing requires sophisticated digital tools that forecast weather conditions, seasonality, and energy demand patterns.

Cutting-edge district heating networks are equipped with high-energy efficiency low-temperature networks and sophisticated digital tools for leak monitoring and hydronic balancing. To detect leaks and optimise your network, our intelligent and connected robots and water meters minimise fluid losses. Our technologies enhance the efficiency of your distribution network.





State-of-the-art district heating and cooling systems are equipped with cloud-based billing applications that are secure, real-time accurate, and user-friendly.

## **Decarbonisation of buildings**

A MAJOR CHALLENGE FOR THE ENERGY TRANSITION

In Europe, the building sector accounts for 40% of annual energy consumption and generates 37% of greenhouse gas emissions. In order to achieve EU targets district heating is a major factor which will support the EU to use 90% less fossil fuels for residential heating. District heating is a major lever for protecting against energy price volatility in a context of global energy crisis and currently only 8.5% of the population within the EU is heated through a district heating network.\*

To achieve the EU target to decarbonise buildings by 2050, it is necessary to decarbonise heat by using renewable energy sources and improving the energy efficiency of buildings. District heating networks emit half as much greenhouse gases as gas or oil heating systems require.

# **Xylem helps you optimise your district heating network**

Xylem contributes to network efficiency through energy-efficient pumps, connected meters, hydraulic optimisation solutions, monitoring and preventive maintenance systems. Our digital solutions and leak detection provide a 360-degree view to optimise the operation of your networks and reduce the energy bill of your installations.



\*Relevant information obtained from the European Commission at www.energy.ec.europa.eu



# Xylem solutions for heating and cooling



# **Energy optimisation and system control**

Control systems for optimised and reliable operation of all pumps. Connectivity of operation automation systems is required for the integration of water and thermal energy cycles.



## **Digital solutions**

Digital solutions to centralise all your system data in a single platform, providing a 360-degree view to optimise the operation of your networks.



# **Treatment of heating and cooling water**

Protecting people and maintaining maximum efficiency of HVAC installations throughout their lifespan. Solutions against legionella and biofilm.



## Distribution and circulation of hot and cold water

Pumps to convey high water flows at the appropriate pressure, available with high-efficiency IE5 motors of the latest generation with variable speed. They adapt to the actual requirements of your installation, reducing energy consumption and protecting your infrastructure.



### Thermal energy metering

Various connectivity and data management options for continuous measurement of energy consumption. Flow detection that seamlessly integrates into new and existing thermal energy systems.

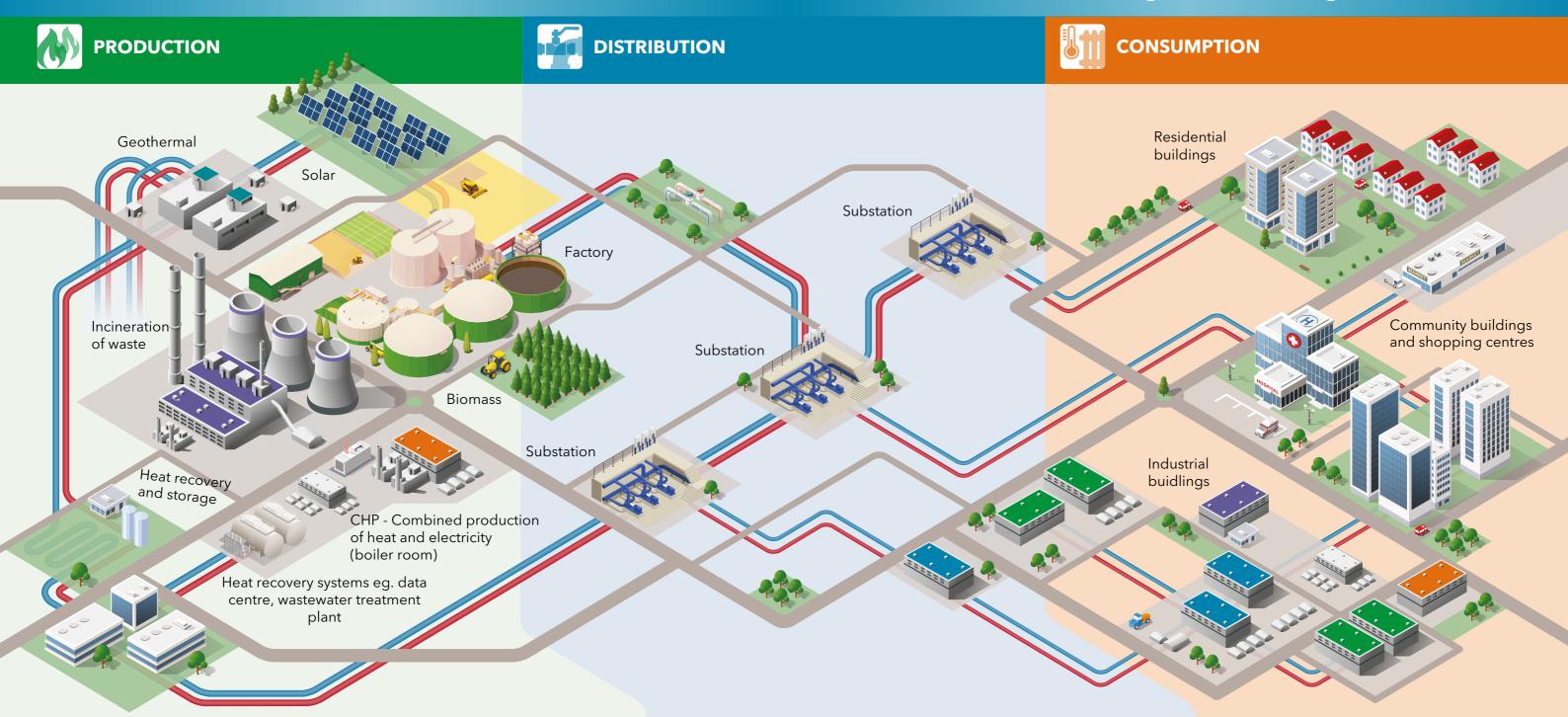


# Water reinjection in geothermal applications

In geothermal applications, high-pressure solutions are used to reinject the used hot water back into the ground, closing the water cycle.

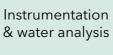


## Urban district heating and cooling networks











In-line circulators



Leak detection



Thermal meters

Boosters



Circulator pumps



Submersible pumps



## e-XC

**e-XC** single-stage, dual-suction split-case pump provides greater hydraulic range and better performance than previous models. With a water flow greater than 10,800 m3/h, it easily adapts to medium and large capacity systems, as well as installations with high head capacity. The Xylem e-XC series pumps can handle a wide range of applications. Due to its improved design and standard materials, plus new mechanical sealing options the patented pumps allow for safe operation, longer pump life and lower system costs.

#### **TECHNICAL SPECIFICATION:**

142 Model number:

10,800 m<sup>3</sup>/h Maximum flow: Head: 221 m

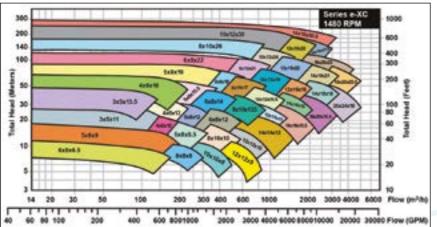
Dimension: up to 800 mm from 12 to 31 bar Nominal pressure:

Flange type: standard PN16 and PN25

Temperature range: from -20°C to 121°C, available in 50 Hz and 60 Hz version

#### **MAIN FEATURES:**

Below is an example of the characteristics for pumps fitted with a 1480 rpm motor. Xylem's **e-IXP** range also includes 740/980/2970 rpm pumps.



## e-MP

A robust and reliable pumping system for virtually all high pressure applications. The Lowara **e-MP** multistage pump draws on a century of Xylem experience, know-how and expertise to create a powerful and efficient solution. The **e-MP** pump is designed to be configured in many ways.

#### **TECHNICAL SPECIFICATION:**

DN50 and DN150 Dimensions: Possible configurations: horizontal and vertical Power: 7.5 kW - 1 250 kW (2 poles) 2.2 kW - 160 kW (4 poles)

Head: up to 950 m Flow: up to 850 m<sup>3</sup>/h

Pumped liquid termperature: -25°C à +140°C, with optional 180°C

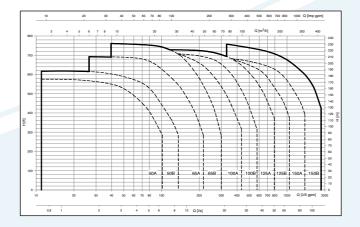


MAIN FEATURES:

Below is an example.











## e-IXP

The **e-IXP** is Xylem's innovative pump designed to ISO 2858 and 5199 standards to be the solution for industrial applications. The **e-IXP** pump can meet the pumping needs of customers in virtually all major markets and can be supplied in multiple materials of construction, with different shaft seal configurations. The **e-IXP** is a single-stage, end-suction, volute casing pump available in different constructions thanks to a true modular design.

#### **TECHNICAL SPECIFICATION:**

Series: IXP

 Dimensions:
 DN25 - DN250

 Power:
 0.55 kW-200 kW

Height: 160 m

Rates up to: 1,270 m³/h

Temperature of liquids: from -40 to 180°C

Design pressure: Max. 25 bar

Design pressure: Max. 25 bar
Standard flanges: EN1092/ISO7005, PN16 and PN25

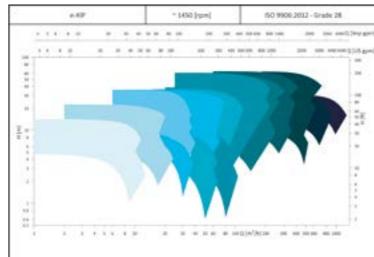
Optional flanges: ASME B16.5, compatible with drilled classes of 150 and 300



#### MAIN FEATURES:

Below is an example of characteristics for 4-pole motors.

Xylem's **e-IXP** pumps are also available with 2 and 6 pole motors.



## e-NSC

High-efficiency, end-suction centrifugal pumps standardised to EN 733 for industrial applications and the construction sector, as well as for public buildings. With efficiencies that exceed those of ErP 2015, the **e-NSC** is the long-term economical pumping solution.

#### **TECHNICAL SPECIFICATION:**

Discharge diameter: DN32 or DN300

Power: from 1.1 kW to 75 kW (2 poles)

from 0.25 kW to 315 kW (4 poles) up to 160 m

Height: up to 160 m 
Flow: up to 1800  $\,\mathrm{m}^3/\mathrm{h}$ 

Nominal pressure: PN16

Pumped liquid temperature: from -25 to +120°C Extended temperature range: from -25 to +140°C

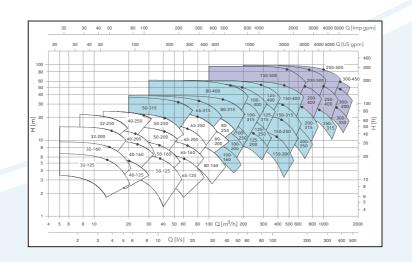
Version with VSD: Hydrovar





#### **MAIN FEATURES:**

Below is an example of characteristics for 4-pole motors. Xylem's **e-NSC** range also includes pumps with 2-pole motors.







## **SMB**

**SMB** series booster sets including pumps with IE5 motors, frequency converters and integrated controllers allowing speed regulation.

#### **TECHNICAL SPECIFICATION:**

Flow: up to 90 m³/h
Height: up to 158 m
Temperature of liquid: max. 80°C

Energy consumption: max. 2.2 kW/pump

#### **APPLICATION:**

**SMB** booster sets are designed for the transfer and water pressurisation in the following applications:

- Apartments, individual houses, apartment buildings, residential buildings
- Public buildings: hotels, office buildings, shopping centres, sports halls and schools
- Storage warehouses, logistics centres
- Industrial applications

## **GHV**

The **GHV** series includes **e-SV** vertical multistage pumps, each equipped with a Hydrovar variable speed drive, frequency converter and control panel.

#### **TECHNICAL SPECIFICATION:**

Flow: up to 640 m³/h
Height: up to 160 m
Energy consumption: from 1.5 to 22 kW
Maximum working pressure: 16 bar /25 bar

#### **APPLICATION:**

The **GHV** series with IE5 motors is intended for the following applications:

- Condominiums
- Hotels, office buildings, shopping centres
- Sports halls and schools
- Storage warehouses, logistics centres
- Industries
- Water supply







## e-LNE

The new e-**LNE** and **e-LNT** series are monobloc centrifugal pumps with In-Line discharge and suction flanges. They are designed to facilitate extraction of the impeller, motor and lantern without dismantling the volute. Hydraulic efficiency has been improved with an MEI index of 0.6, higher than the MEI index of 0.4 in compliance with the ErP directive, IE3 motors are supplied as standard in IE4 and/or with **Hydrovar** variable speed drive.

#### **TECHNICAL SPECIFICATION:**

Sizes: DN 40, DN 50, DN 65, DN80, DN 100, DN125 et DN150
Power: 1.1 kW - 37 kW (2 poles) 0.25 kW - 37 kW (4 poles)

Height: 100 m

Flow: up to 800 m<sup>3</sup>/h

Operating pressure: PN16

Pumped liquid temperature: as standard from -25°C to +120°C, other versions with

extended temperature range up to +140°C

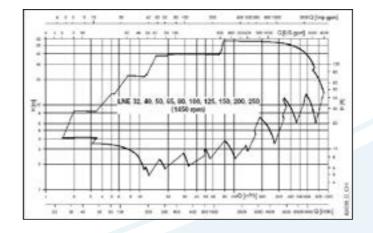
Variable speed drive option: Hydrovar

#### MAIN FEATURES:

Below is an example.

Xylem's **e-LNE** range which also includes pumps with 2-pole motors.

#### PUMP PERFORMANCE WITH 4-POLE, 50 Hz MOTOR









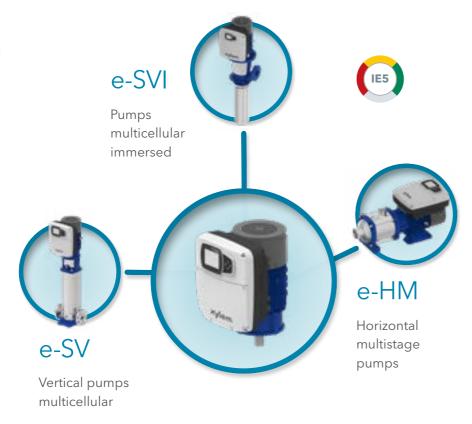




## Hydrovar® X:

THE ULTIMATE IN PERFORMANCE, ENERGY EFFICIENCY, CONNECTIVITY AND SIMPLICITY.

- A high efficiency motor offering with a full range of motors from 3 to 22 kW.
- Colour graphic display.
- IE5 motor fitted with advanced control for the highest level of efficiency and to extend motor life.
- Multi-pump capability as standard, with no single point of failure.
- Remote control and management via the xylem X app.
- Factory preset.
- 30 language sets available.



Voltage: three-phase 400V package	IES2 with IE5 motors.
Power: up to 22 kW	Enclosure Protection: IP55
Multi-pump capacity: up to 8 units	Ambient temperature: -20°C / +50°C at full power
Power supply: 50/60Hz	
Comms: BACnet and Modbus standard in single pumps	

## Retrofit solutions to adapt your existing variable speed equipment

Pumping systems are very often oversized for the application and therefore use more energy than necessary. **HYDROVAR** is an intelligent control system that matches pump performance to demand. This system controls





the speed of a standard IEC motor by converting the frequency and the fixed voltage of the supply line. It can be easily mounted on new pumping systems or retrofitted on existing pumps thanks to its simple and quick "clip and play" type assembly.

#### PERMANENT MAGNET MOTORS WITH INTEGRATED DRIVE AND HIGH EFFICIENCY HYDRAULIC SYSTEM

- State-of-the-art technology for communication with other building systems.
- Up to 70% reduction in energy consumption.
- Automatic performance optimisation.
- Simple integration into Building Management Systems (BMS).
- Optimised lifetime and reduced downtime thanks to integrated intelligence.



Voltage: single phase 230 V - three phase 400 V	IES2 assembly with IE5 motors
Power: up to 2.2 kW	Enclosure Protection: IP55
Multi-pump operation: up to 3 units	Ambient temperature: -20°C/+50°C full power
Power supply: 50/60Hz	EMC: single phase phase C1 - category C2 three phase according to EN 61800-3
Comms: BACnet and Modbus standard in single pumps	Harmonics: Complies with IEC/EN 61000-3-2



e-HME

pumps

Multistage horizontal



pumps





## ecocirc

High efficiency circulators designed for the circulation of water in heating, air conditioning and domestic hot water systems. Available in three sizes of 4, 6 and 8m and two cast iron and stainless steel versions with several control modes, our **ecocirc** and **ecocirc**+ ranges offer a smarter choice in the residential circulator market by combining high efficiency, simplicity and reliability. Compact and easy to install, all models feature a single control dial to adjust operating mode and speed. A universal and interchangeable connection plug, and automatic air purge are supplied as standard. The entire **ecocirc** range achieves an IEE level ≤ 0.18.

#### **TECHNICAL SPECIFICATION:**

Flow: up to 4.5 m³/h
Height: up to 8 m

Maximum energy consumption: 60 W

Pumped liquid temperature: from -10 $^{\circ}$ C to +110 $^{\circ}$ C Ambient temperature: from -10 $^{\circ}$ C to +110 $^{\circ}$ C

Maximum working pressure: 10 bar (PN 10)

Feed: single-phase 200-240 V 50/60 Hz

Insulation class: (155 F)

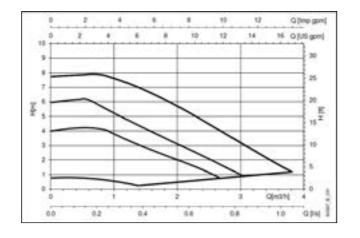
Protection class: IP 44

Sound level:  $\leq$  43 dB(A)



#### MAIN FEATURES:

#### HYDRAULIC PERFORMANCE









## ecocirc XL

High efficiency circulators in cast iron or stainless steel in single or double version for heating and air conditioning systems. 4 operating modes are available for **Ecocirc XL**:

- Proportional pressure control (Δpv)
- Constant pressure control (Δpc)
- Fixed speed
- Night mode

In addition, the **ecocirc XL** plus is equipped with a differential temperature control system, which further improves energy efficiency.

#### TECHNICAL SPECIFICATION:

Flow: up to 70 m³/h
Height: up to 18 m
Maximum energy consumption: 1560 W

Pumped liquid temperature: from -10°C to +110°C

Ambient temperature: 0°C - 40°C
Maximum Working Pressure: 10 bar (PN 10)

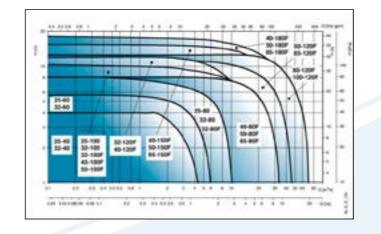
Feed: single phase 200-240 V 50/60 Hz

Insulation class: (155 F)
Protection sign: IP 44

Communication channel: Modbus RTU, BACnet MS/TP, WIFI

Sound level:  $\leq 55 \, dB(A)$ 

#### MAIN FEATURES:







## **Wastewater pumps**



## **Doc and Domo series**

Lowara submersible pumps have a wide range of applications, such as drainage for clear or slightly dirty water, pumping sewage, emptying basins, tanks and reservoirs, collecting rainwater, evacuation of washing water and drying of cellars, garages and basements.

#### **DOC TECHNICAL SPECIFICATION:**

Flow: up to 14 m³/h Height: up to 11 m

Supply: 240/1/50 or 400/3/50 Motor Size: from 0.25 to 0.55 kW

Maximum immersion depth: 5 r

Low pumping level: down to 3 mm (with optional low suction collar)



#### DOMO TECHNICAL SPECIFICATION:

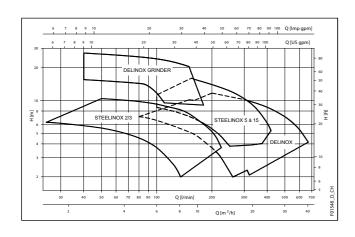
 Supply:
 240/1/50 or 400/3/50

 Motor Size:
 from 0.55 to 1.5 kW

Maximum immersion depth: 5 m

Low pumping level: down to 50 mm

#### **MAIN FEATURES:**







FOR YOUR DRAINAGE PUMPING NEEDS

## **Flygt 3069**

The **Flygt 3069** series is a complete range of submersible pumps designed for lifting sewage. Thanks to our Flygt motors, the **3069** series is the only submersible pump on the market capable of operating continuously in water at a maximum temperature of 70°C.

#### **TECHNICAL CHARACTERISTICS:**

Flow: up to 50 m<sup>3</sup>/h

Discharge DN: 50 mm

Maximum lifting height: up to 20 m

Submersible motor IP68 protection: insulation class F (155 $^{\circ}$ C)

Power: 2.4KW at 3x400V

Pump body and motor casing:

Shaft, handle, hardware:

Double mechanical seals:

Vortex D-wheel:

or N-Adaptive Wheel:

cast iron

cast iron

cast iron

cast iron

(DX)

cast iron (NX)

Maximum immersion depth: 20 m

Standard cable length: 10 m (additional length on request)

Maximum temperature of the pumped liquid: 70°C

#### **BENEFITS:**

- The pump continues to run even in the event of flooding thanks to its submersible motor
- No sliding float on an axis: increased service life
- Simple installation, whatever the size of the sump: just place the pump at the bottom of the latter
- Can be used on new installations or as a replacement for shaft line pumps
- Small footpring
- Complete kit including: pump, installation accessories, protective box and float
- Reduced unscheduled maintenance thanks to its robust construction

#### INCLUDED IN THE KIT









## **Flygt 3000**

Flygt **N pumps** are designed to be used in the most demanding conditions. All subassemblies have been designed and manufactured with energy efficiency in mind. The patented N technology, together with the self-cleaning impeller, allows Flygt **N pumps** to achieve an optimal level of energy efficiency. They offer complete peace of mind, reduce unplanned maintenance costs and ensure significant long-term savings.

Nominal power: 1.3 kW to 310 kW
Water flow: up to 1000 l/s
Head: up to 100 m
For submerged and dry environments

Every Flygt pump is factory tested to ensure high performance and maximum quality.



## **Flygt Packaged Lifting Stations**

The **Micro 6** (1 pump) and Micro 6+6 (2 pumps) stations to be installed or buried are autonomous modules in polyethylene for lifting wastewater (WC included) from individual houses or small communities. They raise all domestic effluents to the sewers without prior treatment.

- Polyethylene tank with a capacity of 270 liters (single version) and 550 liters (double version) with a screw-
- Tank made of recyclable material resistant to corrosive agents and UV rays.
- 1 or 2 Flygt Domo pumps with integrated level regulator.
- 1 seat foot device (PA version) and guide bars.
- Exists in FX version for mounting the pump directly on the piping.
- Unique model to store for 2 types of installation: above ground or buried.







## **PolluStat**®

#### Compact ultrasonic thermal energy meter

- Sizes DN 15 DN 40, dimensions from = 0.6, 1.5, 2.5, 3.5, 6, 10 [m3/h], ratio qi /qp = 1:125 or 1:100 or 1:50 or 1:25
- Can be installed in any position without affecting counting quality, in remote display version (0.85 m).
- Flowmeter temperature range:
- thermal energy meter 15-90°C (also available in 15-130°C version).
- hybrid meter: 15-120°C (also available in 15-120°C version).
- cold meter: 5-50°C.
- Optical data interface (M-Bus) as standard.
- Storage of flow rate, power and temperature, as well as the respective maximum values of the last 15 months.



## PolluTherm<sup>®</sup> F

#### Integrator for measuring heating and cooling energy

Choose PolluTherm® F for applications in combination with our ultrasonic flow sensor PolluFlow for all 90°C.

- For usage with almost all passive (no external power supply necessary) flow sensors with output pulse values between 1 liter and 10,000 liter per impulse.
- High-resolution measuring cycles (2 seconds for temperatures, 4 seconds for power and flow rate).
- Comfortable LC-display with eight-digit main reading line.
- A variety of anytime upgrade plugin modules are available for electronic reading and connection to building automation systems.









## Water quality monitoring



## WPD FS

FLOW METER FOR HOT WATER UP TO 130oC. Available in sizes DN 40 up to DN 300

- Hydrodynamic balanced with rotor (patented).
- Symmetrical calibration ring (patented).
- Hermetically, sealed meter (IP 68).
- Register may be rotated through 360°.
- High overload capabilities.
- Up to 3 pulsers (1 x OD, 2 x RD) may be fitted without breaking the approval seal.
- Powder coating ensures maximum corrosion protection.



## **Meistream FS**

FLOW SENSOR FOR HEAT AND COOLING METERS DN 50 to 100, 90°C / PN 16

- Flow sensor for heat and cooling meters for commercial and light industrial use.
- For measuring hot process water up to 90°C
- For measurement of cooling water starting from 5°C.
- For high permanent flow rates such as generated by pumps, as well as for the measurement of low flow rates in off-peak periods.

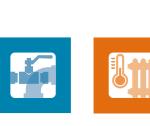


#### **DIAVASO MOBILE APPLICATION:**

#### REMOTE METER READING APPLICATIONS FOR SENSUS RF AND WIRELESS M-BUS CAPABLE METER

- Manage any SensusRF radio endpoints.
- Designed for meter installers, meter readers, route managers and administrators to make your mobile meter reading easier to manage.
- Access data logger information for in-depth analysis.
- Readout and work flow management for walk-by/drive-by.
- Available as a hosted solution.
- Locate, read and health check your meter.







IN ORDER TO MAKE OPERATIONS MORE RELIABLE AND REDUCE THE RENEWAL RATE OF WATER NETWORKS, MAINTENANCE TECHNICIANS CHECK THE QUALITY OF THE WATER.

PUNCTUAL MEASUREMENT OF WATER QUALITY

## **PhotoFlex Turb**

The WTW PhotoFlex allows the rapid measurement of parameters such as Iron, and Sulphites, Ozone, Chlorides, Chlorine (free and total) TH ,TAC, Hydrazine, DEHA plus Alkalinity and Silica. The measurement of these parameters makes it possible to prevent possible scaling, corrosion and sludge in the hot water networks.





The **PhotoFlex** can also be used to measure boiler water or ultrapure water directly on site.

## Multi 3630 IDS

In boiler room networks, the Multi 3510/3620/3630 can be used to monitor pH, Temp, Oxygen, Redox and Ultra low conductivity, ideal for boiler and cooling waters. Requires probe such LR925/01 as shown below.



CONTINUOUS MEASUREMENT OF THE PHYSICO-CHEMICAL PARAMETERS OF WATER WITH THE IQ SENSOR NET

## **IQ SENSOR NET**

+ PHYSICO-CHEMICAL SENSORS

Thanks to its conductivity/temperature, dissolved oxygen sensors, the IQ Sensor Net continuously monitors sensitive stainless steel or PVC pipe installations.

A wide range of fittings allows the sensors to be installed on pipes with pressures up to 10 bar (temperature 60°C) but also in tanks and open channels.









## **Digital solutions**



Adequate water treatment is essential to guarantee the correct water quality and optimise the life cycle of pipes, boilers and heat exchangers.

Wedeco UV systems offer customers an alternative to environmentally harmful chemicals used for disinfection, including chlorine, chlorine dioxide and hypochlorite.

UV disinfection is adapted to the natural action of the sun and is extremely versatile. UV can be used for water disinfection, destruction of harmful microorganisms in other liquids, on surfaces and in the air.

## **UV Solutions**

- Improved quality of produced water.
- Reduced energy consumption.
- Eco-friendly solution as no harmful chemical residues (e.g. chlorine) or unpleasant odors.
- Simple to install with low maintenance.



## **Ozonation solutions**

#### **Ozone generators**

**Ozone** is one of the strongest industrially produced oxidising agents and is commonly used for water treatment in municipal and industrial applications. The particular advantage of ozone lies in its environmentally friendly mode of operation. Harmful substances, colours, odours and microorganisms are destroyed directly by oxidation, without the formation of harmful chlorine by-products.







## **Optimze**

The modular optimyze™ condition monitoring solution provides information on the operating status of equipment and allows preventive maintenance of rotating machinery such as pumps, motors, heat exchangers and steam traps. It periodically monitors equipment vibration and temperature and allows users to access easy-to-use monitoring tools via ios or android mobile devices.



## **SAM PRO**

**SAM PRO** (Smart Asset Management Performance And Reliability Optimisation) is a system that monitors the condition of industrial machinery in real time. It measures the voltage and current of electric motor supply lines, as well as other relevant parameters such as pressure and temperature, thus providing useful information. Thanks to a special algorithm that allows anomalies to be detected long before they are reported by operators or performance indicators, **SAM PRO's** intelligent software is able to precisely locate the place and the component that are generating the alarms. This allows key decisions to be made and breakdowns to be avoided.





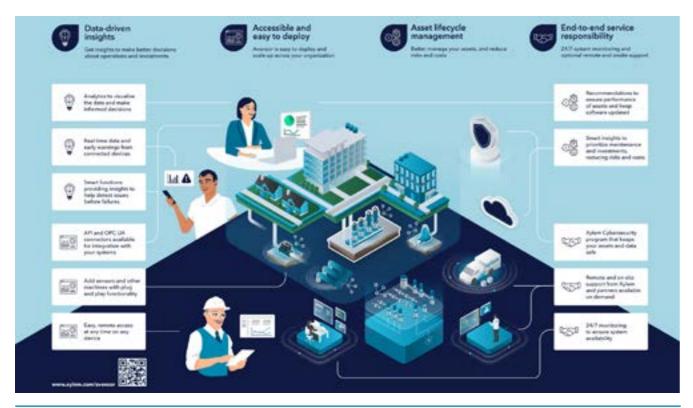






### **Avensor**

**Avensor** collects and analyses data from your assets to give you live data, trends and alerts via the web and our mobile app. Think of Avensor as an easy-to-use SCADA system with plug-and-play installation. You get the right data when you need it, and you can make smarter decisions about how your resources are used.



## **Energy audit**

Xylem's energy audit is a service to test and verify the actual condition of pumping systems, for example pumping systems resulting from current operating conditions. Performing an audit does not interfere with the current operation of the facility. These are customised for customers who require them depending on their industry and facility size.

#### Data received after the audit includes:

- Indication to perform a pump overhaul.
- Detection of pump overuse and pump cavitation.
- Current operating curve of the pumping system.









Xylem is able to provide a fully comprehensive aftercare service, including 24/7 emergency breakdown attendance, preventative maintenance contracts and workshop repair. It is our aim to provide customers with the highest possible level of care, starting with pre-sale and continuing throughout the entire lifetime of the product. Our strategically located service centres are supported by a mobile team, reacting quickly to call-outs.

## **Preventing Maintenance Agreements**

A Preventative Maintenance Agreement (PMA) is a cost-effective service contract from Xylem tailored to meet your specific requirements and budget. A PMA includes at least one scheduled inspection and/ or maintenance visit per year, which will identify potential weaknesses in your system and provide the opportunity to take action before it leads to a breakdown. There are three levels available, talk to your sales representative to find out more.

## **Service Centres**

Our nationwide network of service centres offer a comprehensive installation and commissioning service, on-site mechanical and engineering maintenance, 24/7 emergency call-out and workshop repair facilities.

## **Genuine Xylem spares**

We maintain a comprehensive inventory of genuine Xylem spare parts and accessories, with prompt availability and reliable replacements, we ensure that your systems always remain operational and efficient. By using parts engineered to fit seamlessly into your equipment, you can rest assured of an extended lifetime for your systems and a noticeable reduction in the total cost of ownership.

## 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 advanced technological solutions to the world's water challenges. We're dedicated to developing new technologies to improve the way water is used, conserved, and reused in the future. Our products and services move, treat, analyse, monitor, and return water to the environment in public utility, industrial, residential, and commercial building services settings.

Xylem also provides a leading portfolio of smart metering, network technologies, and advanced analytics solutions for water, electric, and gas utilities. We have strong, long-standing relationships with customers in over 150 countries. Xylem is known globally for our powerful combination of leading product brands and applications expertise, with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com

