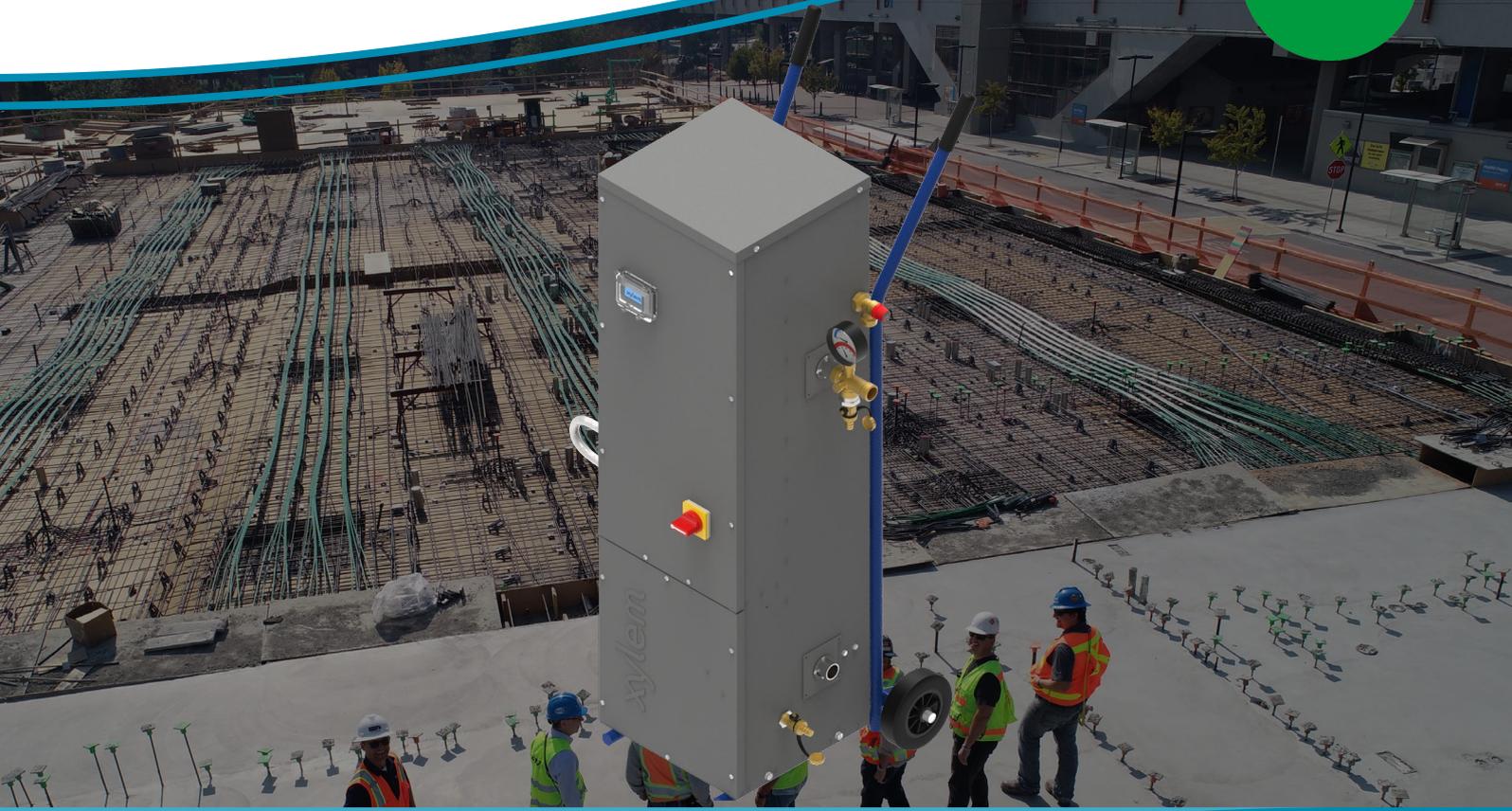


NEW



EPX Mobile Water Heater

EPX MOBILE HEATER FOR COMMERCIAL AND INDUSTRIAL APPLICATIONS

The next generation of Smart Mobile Water Heaters



Features and Benefits



Efficiency

- Electrical immersion heaters are one of the most efficient ways to heat water, boasting an impressive efficiency rating of over 99%. This surpasses the efficiency of traditional gas boiler alternatives
- The 18kW immersion heater is divided evenly into two 9kW circuits. This element configuration enables the user to switch to a single element when approaching the desired set temperature. By enabling this feature, users can achieve either a rapid or gradual heat buildup from cold (available on EPX Plus model only).



Reliable and Safe

- The EPX heater is equipped with high-grade, robust electrical components manufactured by Schneider Electric. Contactors, MCBs, and fuse holders are all individual components that can be replaced at a local electrical wholesaler, ensuring no single point of failure. There is no proprietary control board.
- By utilizing Xylem Avensor and the built-in modem, users can receive remote notifications for warnings or alarms, enabling the monitoring of the unit even in unmanned locations. (available on EPX Plus model only).
- The EPX heater incorporates both physical and software safety features. High-pressure and high-temperature alarms can be configured within the controller software, automatically cutting power to the element in the event of a pressure or temperature spike.
- Additionally, the physical temperature thermostat is located within the head of the element, automatically cutting off power in the event of overheating.



Performance

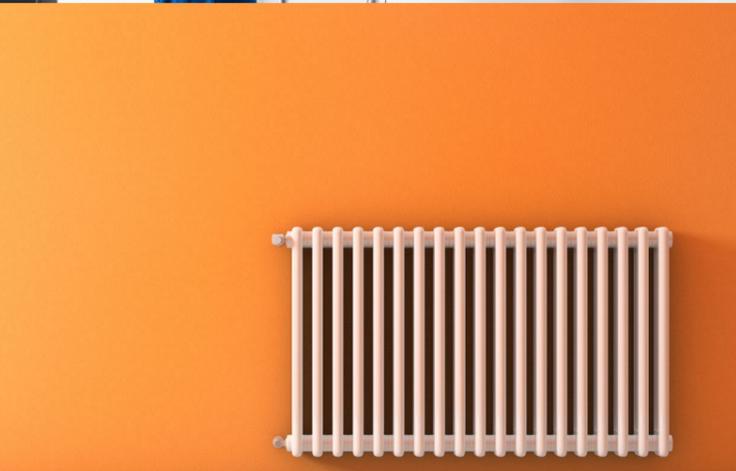
- Equipped with an 18kW industrial-grade immersion heater, the EPX heater is capable of efficiently heating large volume closed-loop circuits.
- The 6-meter variable speed EcoCirc pump is specifically designed to overcome the frictional loss commonly associated with small-bore heating pipework.



Flexible

- The EPX heater features an inbuilt controller that offers three distinct control options: Manual, Pre-programmed Screed Heating, and Custom Screed Heating.
- In **Manual mode**, users can set a desired constant temperature for the heater to maintain.
- **Screed Heating mode** provides a preset program specifically designed for the concrete screed drying process. Users can choose from 11 pre-programmed heat profiles, with the target and maximum temperature changing daily over a 17-day period.
- **Custom Screed Heating mode** allows users to input their own unique screed heating profile, tailored to suit their specific application.
- The EPX unit is designed with a narrow footprint, allowing it to easily pass through a single doorway.

Flexible Heating Solution



The EPX Mobile heater provides quick and uncomplicated emergency heating solutions in the event of boiler breakdowns or when changing boilers. It is also highly effective for building site heating and underfloor heating installations. The heater comes fully preassembled, including controls, safety devices, and a self-diagnosis system to prevent incorrect electrical connections. Additionally, the EPX Mobile heater can be easily maneuvered into challenging work areas with limited access.

Uses

- Emergency heating and hot water preparation in the case of a heating boiler breakdown or when replacing a boiler in a hot water heating or air conditioning system.
- Temporary heating and frost protection during new construction or renovation projects.
- Building site heating.
- Installation of underfloor heating, including preheating the floor heating pipes for easier installation and screeding heating for faster drying.
- Protection of heat pumps from icing during initial heating.

Concrete Screed Drying

The EPX Mobile Heater serves as a practical tool to assist in the drying time of concrete screed. Its controller offers 11 pre-set schedules, each lasting for 17 days, ensuring compatibility with a wide range of concrete types. By utilizing the EPX Mobile Heater, users can effectively optimize the drying process and enhance overall efficiency.

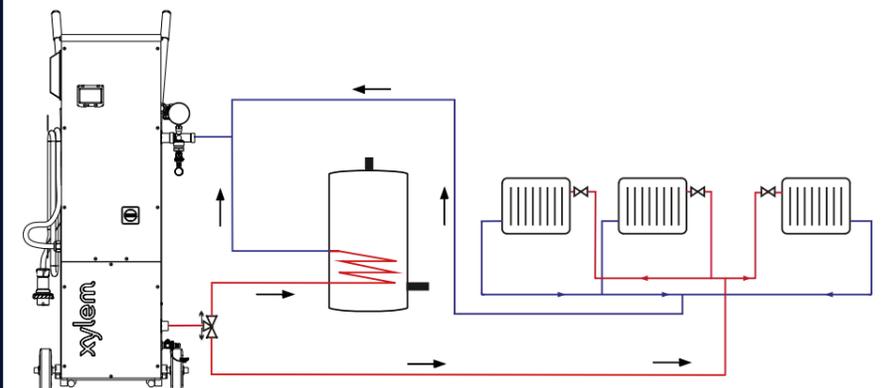
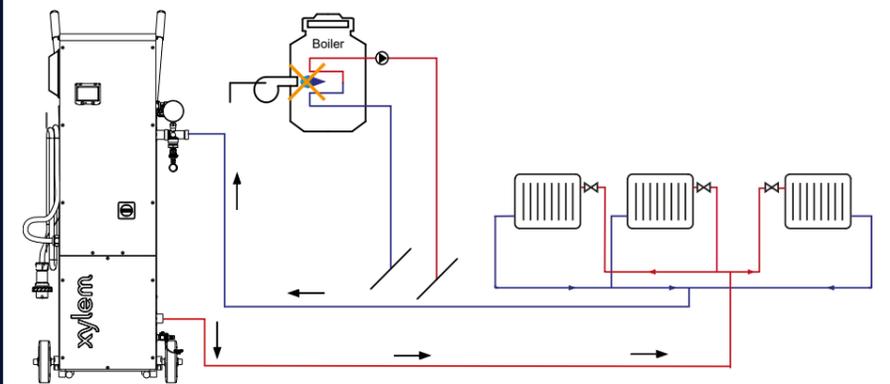
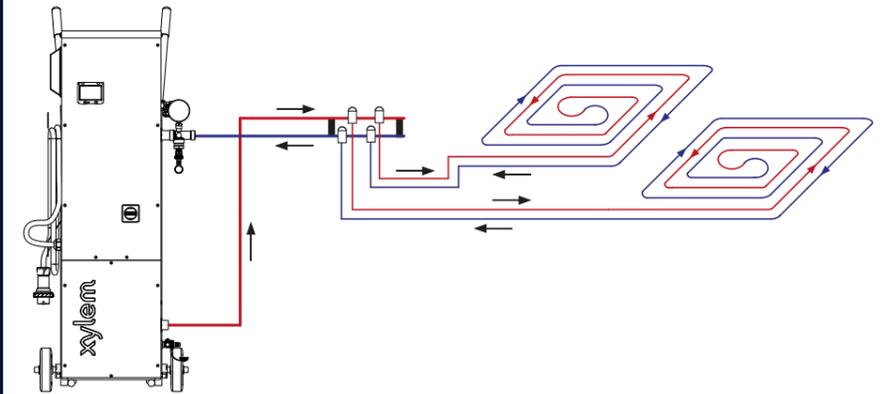
SOS Boiler

In the event of a boiler failure, the EPX Mobile heater offers a practical solution by being compatible with the same installation position as a traditional domestic or commercial gas boiler. This means that it can be easily installed and replace the existing boiler without the need for major modifications.

Domestic Heating and Hot Water

The EPX Mobile heater provides the practical advantage of operating a three-port valve, allowing you to prioritize domestic hot water over the heating circuit. This feature works in conjunction with an additional PT1000 temperature sensor that can be installed into an existing hot water cylinder.

Typical Applications

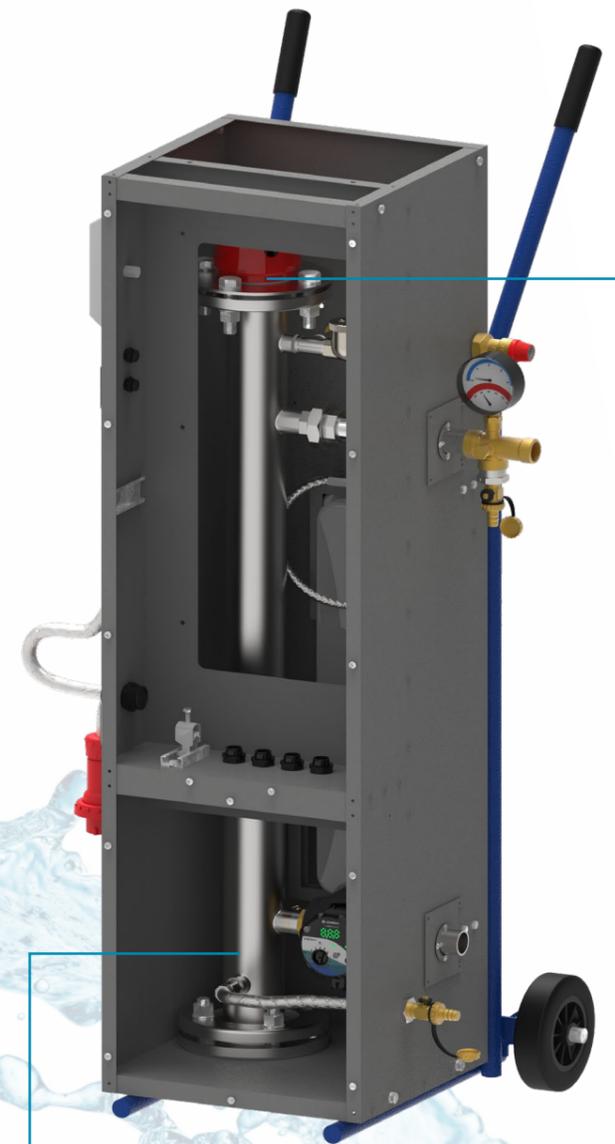


Design & Features

- The robust galvanized steel enclosure is specifically designed to withstand the demanding conditions of a building site environment.
- The enclosure features a removable top lid, allowing easy access to the internal components for maintenance and servicing purposes

- The EPX heater features a full-sized electrical compartment equipped with industrial-grade Schneider components. This includes separate MCBs (Miniature Circuit Breakers), contactors, and fuses,
- It also is designed with a removable electrical backplate, facilitating effortless servicing and replacement of components when needed.

- The 18kW industrial-grade heating element offers a responsive and efficient method of heating large-volume systems.
- Additionally, the EPX Mobile heater includes a 10-litre pressure vessel with a 3-bar pressure rating. This vessel accommodates the expansion that occurs within the system, ensuring optimal performance and safety.



- A universal 5-pin three-phase plug is conveniently mounted on the side of the unit, providing power to the internal electrical components ensuring an easy and secure electrical connection.

- The flow and return pipework of the product are equipped with 1" threaded connections, providing flexibility for the use of quick connection couplings if necessary.

- The product features a robust, stainless steel cylinder and wetted parts, guaranteeing durability and longevity.
- The bottom compartment provides easy access to the pump controls, allowing for convenient adjustment of pump speed or function.
- Flow and return lines are fitted with union connections, enabling quick disassembly during maintenance

- The EPX mobile heater controller offers intuitive navigation and settings adjustment without the need to open the electrical compartment door.

- Separate fill line with a 1/2" hose tail connection, isolator, and pressure gauge. This dedicated fill line ensures easy filling and pressurization of the loop

Always Connected

Experience enhanced convenience and control with the EPX Plus Mobile Heater, featuring the innovative CCD401 Avensor Modem. This integrated modem enables seamless connectivity to the Xylem Avensor cloud platform, empowering you to effortlessly monitor critical aspects such as temperature, pressure, run time, and heater condition. Even in unmanned sites, stay informed and maintain peace of mind with remote access to real-time data. The modem comes preinstalled, requiring just a few simple steps to register your account and unit on the Avensor Website

FEATURES

Alarms and data: Accurate real-time data and early warnings from connected devices for carrying out data-driven service operations.

Alarm management: Alarms from devices are easily sent to the right people through text messages, email or app notifications.

Station and site overview: Monitor your Heater through connected assets. View data and alarms, including history, location data, and more.

Mobile apps: Get easy remote access at any time on any device.

Analytics: Avensor's analytics capability allows you to visualize and make decisions from the data collected.

24/7 system monitoring and support: Xylem monitors the Avensor service 24/7 to ensure system availability. Remote and onsite support from Xylem and its service partner network is available on demand.

API and OPC connectors: With Avensor API or Avensor OPC connector, you can benefit from Avensor in your existing SCADA, asset management or building management systems.

Technical features

The EPX is available in two variants, the EPX Plus and EPX Basic.

	EPX Plus	EPX Basic
SPECIFICATION		
Power Supply	3 ph x 400V, 50Hz	3 ph x 400V, 50Hz
Element Size	18kW	18kW
Wetted Parts	Non-Ferrous	Non-Ferrous
Power Split	2 x 9kW (18kW Total)	1 x 18kW
Safety Devices	Thermostat, Temperature and Pressure relief valve, Software Adjustable Pressure and Temperature Limits, Dry Run Protection	
Pump Type	EcoCirc Plus	Eco 2

CONTROL MODES

Manual Control mode	Yes	Yes
Screed Heating Program	Yes - 11 Pre-Set profiles	Yes - 11 Pre-Set profiles
Custom Screed Heating Program	Yes	Yes
Stepped Heating	Yes	No
Operation of Three port valve	Yes	Yes

ADDITIONAL FEATURES

HMI Screen	Text based	Numeric (Seven Segement)
Remote Monitoring (Via Avensor)	Yes	No
Volt Free Contacts	Yes - Fault	Yes - Fault
Modbus	Yes	No
External On / Off	Yes	Yes
Fill valve with Temp & Pressure gauge	Yes	No
Auxiliary Temp Sensor input	Yes	Yes



EPX Plus Screen



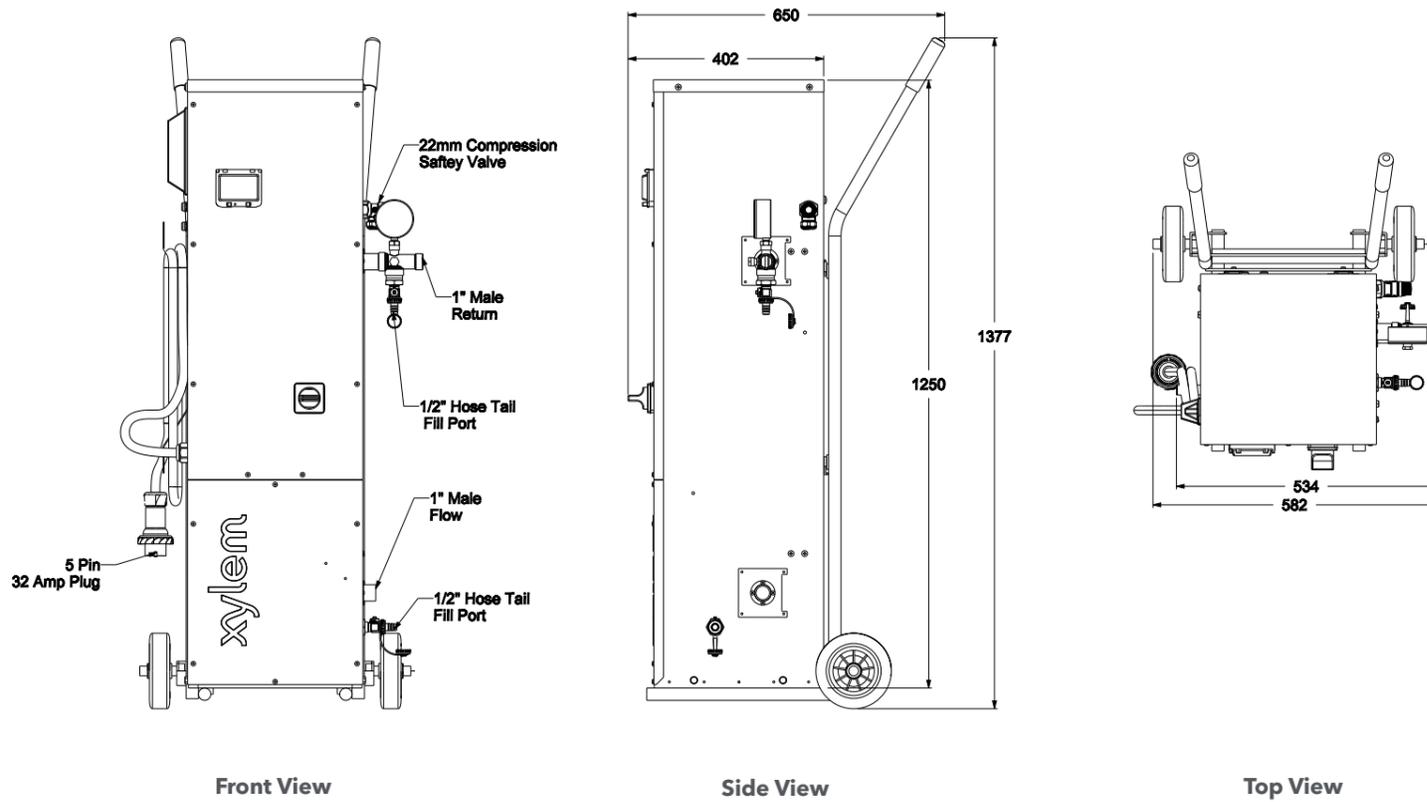
EPX Basic Screen

EPX Product Specification

Range / Electrical Details

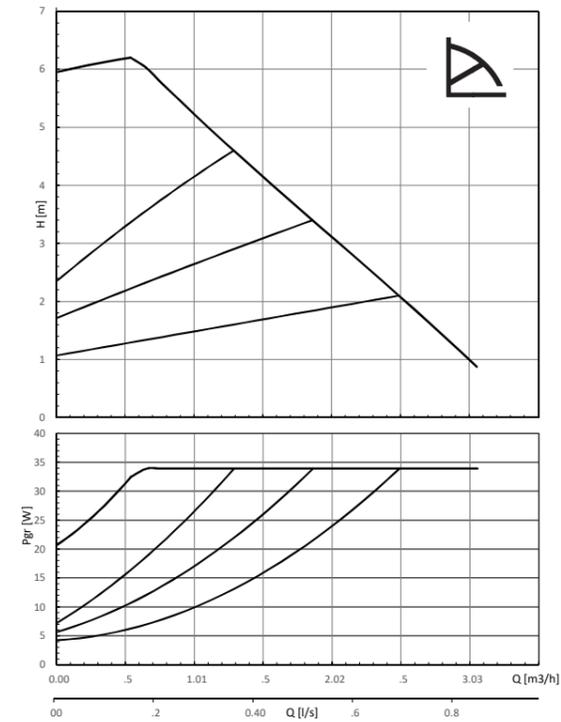
Model	Pump Used	Part Number	Heater Size	Circuit	Electrical Supply	Full Load Current
EPX Plus 18 400/3/50	Ecocirc Plus M 25-6	137Y01001	18kW	2 x 9kW	400/3/50	25 amp
EPX Basic 18 400/3/50	Eco2 25-6	137Y01002	18kW	1 x 18kW	400/3/50	25 amp

Dimensions



Pump Performance

Ecocirc M 25-6 130 / Eco2 25-6 130



For more information on the
EPX Mobile Heater
Scan the above QR Code

Operating Data / Connection size

OPERATING INFORMATION

Recommended Operating pressure:	1-2 bar
Minimum Pressure:	1 bar
Software Max pressure limit:	3 bar
Pressure Relief Valve set:	3 bar

Recommended Operating temperature:	0-85°C
Software Max temperature limit:	85°C
Pre-set Thermostat	85°C
Temperature Relief Valve	90°C

CONNECTION SIZE

Flow Connection (Threaded)	1"
Return Connection (Threaded)	1"
Fill Connection (Hose tail)	1/2"
Safety valve (Compression)	22mm

Unit Materials

Enclosure : Galvanised steel, Painted grey finish
Sack truck: Mild Steel with powder coat finish
Wetted parts: Stainless steel / Brass
Element Rod: Stainless Steel

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 technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, 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. 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 with a strong focus on developing comprehensive, sustainable solutions.

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



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