



ecocirc[®] XL

HIGH EFFICIENCY LARGE WET ROTOR PUMP FOR HEATING, COOLING AND POTABLE WATER SYSTEMS

Exactly what you need in a circulator

As the industry leader with more HVAC and plumbing installations in North America than any other manufacturer, Xylem's Bell & Gossett brand provides high-performing products that are easy to install, start-up and service.

The ecocirc XL is a highly efficient circulator that enhances commercial hydronics systems with superior quality and dependability. State-of-the-art hydraulics, advanced motor design, intelligent controls, and smart communication capabilities highlight expert engineering across a broad range of HVAC and plumbing applications.

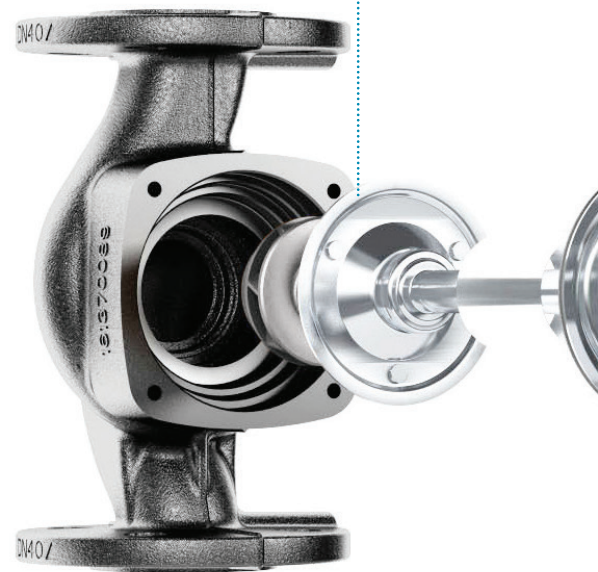
Economical operation

A highly efficient ECM motor combined with optimized pump hydraulics, keeps operational costs at a minimum.



Keep it hot or cold

A closed, perfectly molded insulation shell preserves a constant temperature of the pumped liquid.



The Intelligent Drive

essential Controls

The ecocirc XL can operate in 3 different standard control modes:

- Proportional pressure control
- Constant pressure control
- Constant speed.

Night setback functionality provides additional energy savings.

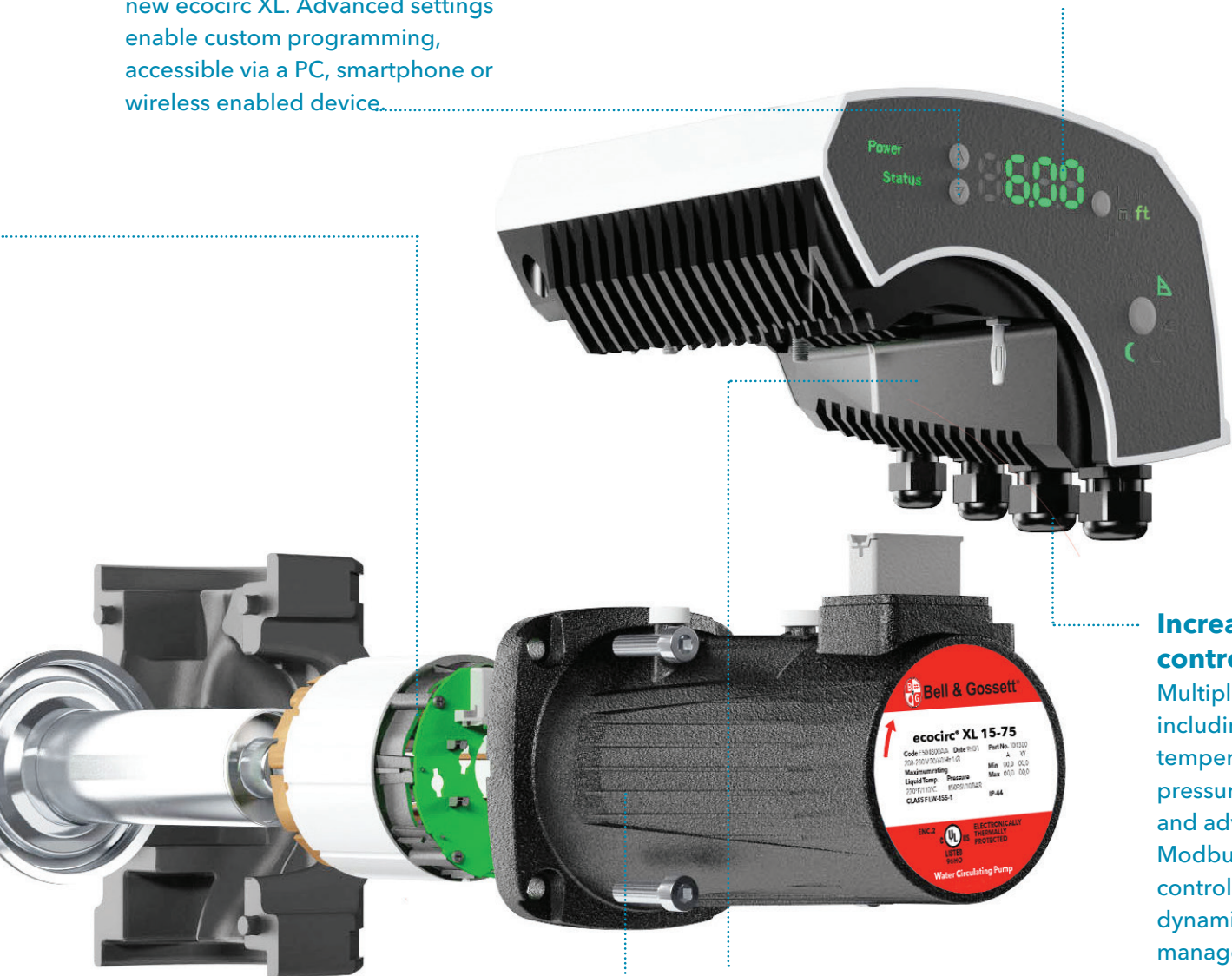
Advanced settings can be managed from a PC, tablet or smartphone, and are accessible via optional built-in wireless or RS-485 cable.

User-friendly interface

With only four logically placed buttons on an intuitive interface, it's easy to set and operate the new ecocirc XL. Advanced settings enable custom programming, accessible via a PC, smartphone or wireless enabled device.

High visibility

Even in dark mechanical rooms, a bright display with large figures and symbols makes it easy to view pump status.



Increase your control options

Multiple inputs including start-stop, temperature control, pressure regulation and advanced Modbus or BACnet control provide dynamic system management.

Pump protection

Built-in dry-run protection stops pump operation in the absence of water, preventing damage and costly repairs.

Chilled water applications

Electronics are separated from the pump to prevent condensation for worry free operation even at 14°F (-10°C).

evolved Communication

- The ecocirc XL communicates with advanced Building Management Systems via Modbus or BACnet protocols.
- Two analog inputs - one for the differential pressure sensor (4-20 mA), and another (0-10V) for speed control
- An external temperature probe can be added for more advanced temperature control.
- Start-stop functionality is built-in.

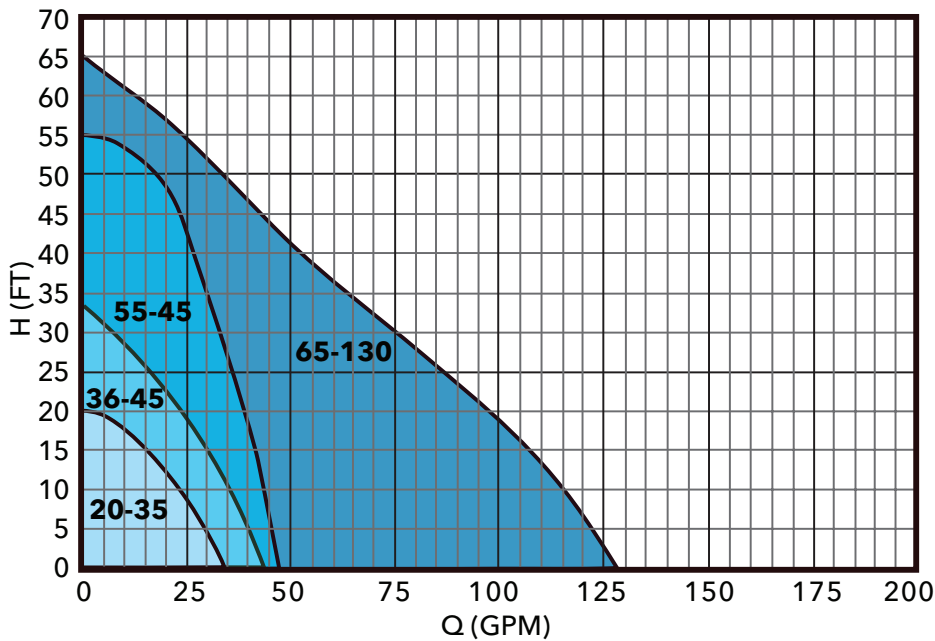
enhanced Monitoring

- If something unexpected occurs, alarm and error codes are displayed and stored in a data log.
- Runtime data is stored for optimized settings.
- Simplifies problem diagnostics.

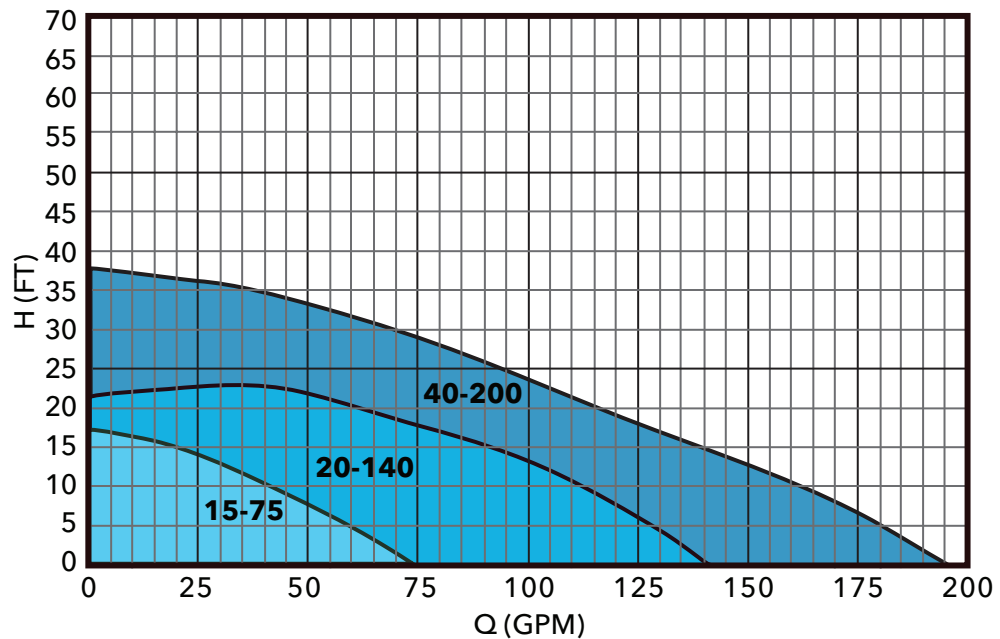
Easy selection from a large performance coverage with as few models as possible

Performance targeted to individual specifications is delivered across a broad spectrum of head and flow requirements. The simple pump model description makes the selection process easier to find the correct unit for any application.

ecocirc XL High Head Performance Range



ecocirc XL High Flow Performance Range



Communicates Clearly

A simplified, user-friendly status display keeps the installer informed on pump settings and performance. Communicate with Modbus and BACnet systems, or use wireless connectivity to communicate with the pump for remote control from your smart phone or wireless enabled device.



Features
Control Modes
Proportional Pressure curve ($\Delta p-v$)
Constant Pressure curve ($\Delta p-c$)
Constant Speed curve
Automatic Night Set Back
Temperature Control Modes
T-Constant Control
ΔT -Constant Control
$\Delta p-T$ (Paired with proportional or constant pressure mode)
$\Delta p-\Delta T$ (Paired with proportional or constant pressure mode)
Readings and settings on the pump
Control and display panel
Operating status
Warning and alarm
Errors and work log history
Dry running detection
Input/Output
2 x analog inputs (0-10V / 4-20mA)
1 x external temperature sensor input
1 x start/stop input
1 x status output
Communication and monitoring
Communication with BMS
Communication with PC/Laptop
Wireless module for short range wireless communication (optional)

With 7 models to choose from there's always an exact match for any system.

The ecocirc XL is a high efficiency, variable speed, wet rotor pump with integrated drive. The circulator is available in cast iron or lead free bronze and with a broad temperature range of 14°F to 230°F (-10°C to 110°C). The ecocirc XL is suitable for both hot and chilled water systems.

Product Range Chart

Model Number	Version		Power Supply		Flange Connection				Pump Body		Fluid Temp. Range	Ambient Temp. Range	Max. Pressure Range	Protection Class
	High Head	High Flow	Single Phase 115V	Single Phase 208-230V	Small Booster (2 Bolts)	Large Booster (2 Bolts)	2" Booster (4 Bolts)	3" Booster (4 Bolts)	Cast Iron	Lead-Free Bronze*	14°F - 230°F	32°F - 104°F	175 PSI	IP44
ecocirc XL 20-35	•		•		•				•	•	•	•	•	•
ecocirc XL 36-45	•		•	•	•				•	•	•	•	•	•
ecocirc XL 15-75		•	•	•			•		•	•	•	•	•	•
ecocirc XL 55-45	•			•	•				•	•	•	•	•	•
ecocirc XL 20-140		•		•			•		•	•	•	•	•	•
ecocirc XL 65-130	•			•		•			•	•	•	•	•	•
ecocirc XL 40-200		•		•			•		•	•	•	•	•	•

*Lead-Free as described in the Reduction of Lead in Drinking Water Act (RLDWA) - certified to NSF 372.

- Small Booster (2 bolts) has a bolt hole to bolt hole dimension of 3-3/16".
- Large Booster (2 bolts) has a bolt hole to bolt hole dimension of 3-7/16".

ESP PLUS system selection software.

With Xylem's easy-to-navigate web site and proprietary software allows you to quickly produce accurate, comprehensive specs, schematics and drawings that meet the needs of your building project, cutting the approval process time in half and protecting your job deadlines. The program includes automatic calculations of payback and operating costs, equipment schedules, submittals and more.



Unparalleled training and product support.



The famous Bell & Gossett Little Red Schoolhouse® opened in 1954 as a dedicated facility for training. Over the past 60 years we have trained more than 55,000 engineers, contractors and installers in the proper design, installation and maintenance of HVAC systems. Bell & Gossett is proud to set the standard for professional education and HVAC pump system innovation.

Your local Bell & Gossett Representative is an experienced professional with a wealth of technical expertise. Because they know systems from design to operation, they can give you the advice and support you need to successfully install, operate and maintain your systems.

Xylem |'zīləm|

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

We're 12,500 people 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 www.xyleminc.com



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