

# NEW

# WATSON MARLOW Pumps

## The world's leading pumps with Industrial Ethernet: Ready for smart production

- EtherNet/IP™ and PROFINET® connectivity for fast and easy access to pump data over Industrial Ethernet
- Improve process control and reduce operating costs using enhanced network control
- Gateway connectivity for pressure and flow sensors
- Fully compatible with distributed control systems and PLC's: Rockwell Automation, Emerson (Delta-V) and Siemens Automation
- No need for adapters or gateways; saving you money and space
- Superior flow stability up to 14.5 USGPM



EtherNet/IP™ **PROFI  
NET**

Watson-Marlow's industry leading range of 530, 630 and 730 peristaltic pumps are now available with EtherNet/IP and PROFINET, Industrial Ethernet control. This provides customers with access to fast, accurate performance data and seamless connectivity, with modern PLC control systems and the Internet of Things.

### Network Dispensing

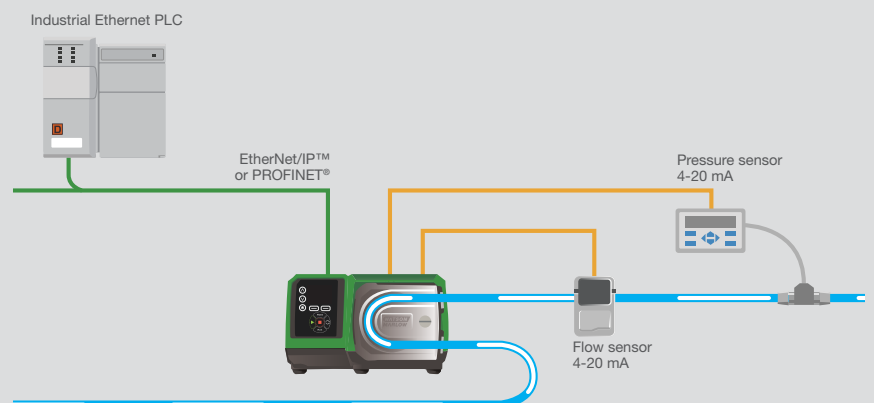
These products include network dispensing functions allowing users to easily create dispensing recipes locally through the pump HMI and control/edit remotely. This ensures accurate repeatable filling for optimal process performance

### Industrial Ethernet control

Benefits of modern digital networks include improvements to process control, reduced operating costs and minimized downtime. Customers no longer need digital gateways or expensive PLC interface cards and can enjoy reduced system cost, space and complexity.

These pumps are fully compatible with advanced, distributed control systems and leading brands of PLC's including Rockwell Automation (with AOP), Emerson (Delta-V), Schneider, Siemens and Beckhoff.

Set-up is easy with an electronic datasheet (EDS) for EtherNet/IP and GSDML file for PROFINET.



## Sensor connectivity

The pumps also include a direct interface to third party pressure and flow sensors. This provides network access to the sensor data. Operators can set local limits on pump operation. This useful feature offers a simple, cost effective solution for safeguarding process integrity by independently monitoring fluid delivery performance.




## Flow and pressure sensors

- Connect a pressure sensor and a flow sensor to the network via the pump
- Flow/pressure data available on the network
- Set sensor controlled warning and alarm limits on the pump
- Sensors can stop the pump if limits are exceeded
- Compatible with leading industry pressure and flow sensors (Krohne; Pendotech™; Sonotec; Em-tec; Parker Hannifin and many others) – search for ‘sensor list’ on [wmfts.com](http://wmfts.com) for full list.



Dual port industrial ethernet connections (IP31 - RJ45, IP66 - M12D). Star or device level ring (DLR) network topology. EtherNet/IP data rate is 10/100 MBPS, PROFINET is 100 MBPS

## Technical specs

530En/530Pn	630En/630Pn	730En/730Pn
<ul style="list-style-type: none"> <li>• Flow rates from 0.0006 to 55.48 USGPH up to 100 psi</li> <li>• EtherNet/IP and PROFINET network control and manual control cased pump with variable speed</li> <li>• IP31 (NEMA 2) and IP66 (NEMA 4X)</li> <li>• 2200:1 speed control range from 0.1 to 220 rpm</li> <li>• Five years warranty </li> </ul>	<ul style="list-style-type: none"> <li>• Flow rates from 0.0002 to 4.76 USGPM up to 60 psi</li> <li>• EtherNet/IP and PROFINET network control and manual control cased pump with variable speed</li> <li>• IP31 (NEMA 2) and IP66 (NEMA 4X)</li> <li>• 2650:1 speed control range from 0.1 to 265 rpm</li> <li>• Five years warranty </li> </ul>	<ul style="list-style-type: none"> <li>• Flow rates from 0.0005 to 14.5 USGPM up to 30 psi</li> <li>• EtherNet/IP and PROFINET network control and manual control cased pump with variable speed</li> <li>• IP66 (NEMA 4X)</li> <li>• 3600:1 speed control range from 0.1 to 360 rpm</li> <li>• Five years warranty </li> </ul>