



**e-80 pumps with optional Technologic IPC
variable frequency drive and Technologic PPS Controller**

Integrated Parallel Pumping System with Sensorless and Sensored Control PERFORMANCE AND EFFICIENCY, MULTIPLIED



Integrated Parallel Pumping System with Sensorless and Sensored Control

Optimize your hydraulic system's efficiency up to 70% with a complete, integrated parallel pumping system. It combines the Technologic PPS controller and the Technologic IPC variable frequency drive with up to eight Bell & Gossett (B&G) centrifugal pumps to boost your hydraulic performance. The Technologic PPS controller coordinates the output of multiple pumps in a parallel pumping application. The controller analyzes the system and automatically chooses the most efficient configuration based on current conditions including best efficiency point of each pump, end of curve, power consumption and flow. The more pumps that are added to the PPS controller, the easier it is to optimize the system for greater efficiency up to 70% energy savings with optimal staging.

The PPS controller can operate as sensorless curve control or sensored area control and features a large display screen that shows actual system performance via real-time graphical displays. Individual pumps can be staged ON/OFF for optimal efficiency and pump protection. The sensorless control option eliminates the cost of external sensors and related wiring.

Advantages

- Lower installation/labor costs - up to \$1,500 (with sensorless option)
- Lower operating costs - up to 70% savings compared to fixed speed
- Adapt to changing system requirement - easily change operating modes to accommodate system changes

Parallel Pumping System Components

- Technologic PPS controller
- Technologic IPC variable frequency drive
- Up to eight B&G pumps (choose e-1510, e-80, or e-80SC)
- Sensored area control

Applications

- Hydronic heating and cooling systems
- Sensored or sensorless curve control
- Sensored area control

Features and Benefits

Variable flow allows the system to choose the most efficient configuration as pump demand changes.

Sensorless curve control simplifies installation by eliminating the need to install wired transducers and sensors.

Up to eight sensors for area control.

Quality B&G pumps (e-1510 end suction pumps, and e-80 and e-80SC in-line pumps) guarantee reliable, efficient performance.

A wide hydraulic efficiency range allows the system to operate efficiently through more of the flow range.

A large graphical display shows the hydraulic pump curve, system curve and control curve in real time.

Energy saving modeling lets you compare your system to fixed speed pumping. Stage and destage pumps for best efficiency based on actual pump curve.

Embedded BMS communication allows you to integrate your system to site BMS without additional equipment, including BACnet and Modbus.

An integrated disconnect switch simplifies installation and reduces cost.

An industry-leading three year warranty provides you with peace of mind.



**Installation with Series e-80 pump,
Technologic IPC variable frequency drive
and Technologic PPS controller**



Xylem Inc.
Phone: (847) 966-3700
Fax: (847) 965-8379
www.xylem.com/bellgossett

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