Pressure Boosting and HVAC System

HYDRO MPC **BOOSTERPAQ®**

Grundfos Hydro MPC BoosterpaQ is a fully integrated system with pump, motor and variable frequency drive. This packaged solution is factory assembled and fully factory tested to the highest standard.

The industry leader in boosting, this system is controlled by the cutting edge CU 352 MPC controller and based on the extremely reliable, high efficiency CR pump range, this is a fully integrated system that ensures all technologies involved in the process work perfectly together.

Key Features and Benefits

- Plug-and-pump system is the easiest on the market to specify, size, purchase, install and commission
- Saves energy with the most efficient cascade control, application optimized software, and pumps in the industry
- Single source responsibility ensures one manufacturer for pumps, motors, drives and control
- Simple to operate with large, clear, user friendly and advanced controls interface
- Small footprint for space-saving complete solution
- SCADA communication capable via ethernet and all industry standard BUS protocols
- Grundfos GO lets you use your smart phone to access interface, regardless of pump location
- Drinking water approvals NSF61/372

CU 352 CONTROLLER

- Advanced controller specifically designed to run up to six parallel connected pumps
- Control features include pump curve data loaded into the controller allowing for estimated flow readout on controller, and cascade control based on efficiency
- System protection functionalities include dry-running protection, min. pressure, max. pressure, external fault, limit exceeded 1, limit exceeded 2, pumps outside duty range, pressure relief, built-in logging and primary sensor protection
- Built-in logging capability provides historical information for trouble-shooting and energy analysis
- Actual specific energy readout on controller with inclusion of flow meter input
- BACnet, BACnet IP, Modbus, Modbus IP, Profibus and SCADA communication options guarantee integration into your management system of choice

CR PUMP

- World's number one multi-stage centrifugal pumps, the CR and CRE, known for their reliability, efficiency and adaptability

MLE MOTOR

- Grundfos integrated variable frequency drive and motor combined eliminates complexity by matching variable speed motor, drive and control logic components
- Incorporates permanent magnet motor technology for overall variable frequency drive and motor efficiency higher than premium efficiency motors alone
- Integrated variable frequency drive saves space compared to motor and external drive
- Requires no external motor protection and incorporates thermal protection against slow overloading components

MANIFOLDS

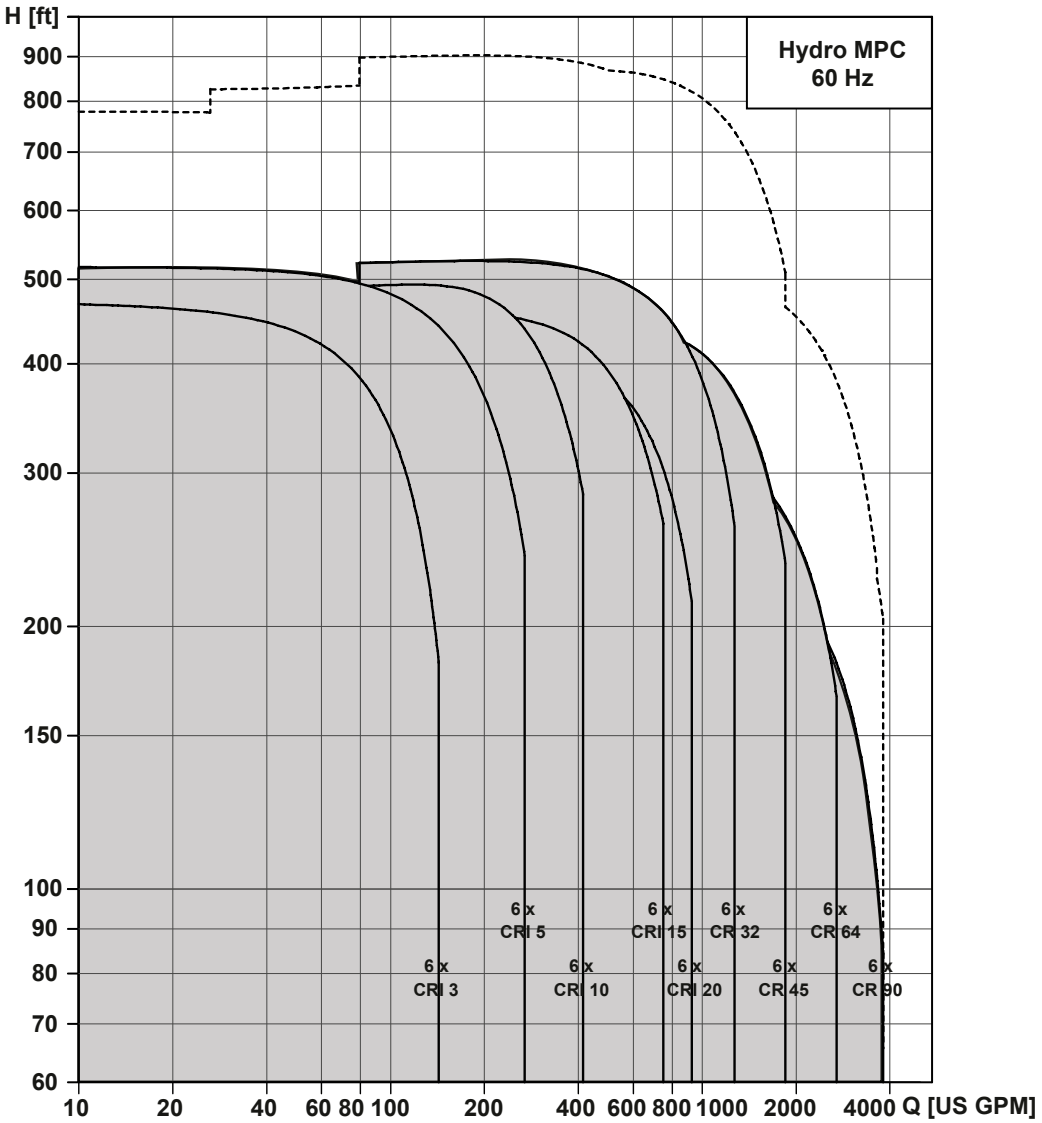
- Hygienically designed 316 stainless steel manifolds guarantee protection against corrosion
- Extrusion process results in hydraulic optimization, reduced pressure loss and noise, as well as the best conditions to meet hygienic standards

APPLICATIONS

- Domestic water pressure boosting
- Multi-story and commercial buildings
- Water utility and municipal settings
- HVAC applications
- Industry and plant boosting
- Irrigation

Hydro MPC Technical Data

Hydro MPC Information	
Flow, Q (2-6 pumps):	max. 3,600 gpm
Head, H:	max. 800 feet
Fluid temp.:	max. 176° F
Working press.:	max. 400 psi



L-CBS-SL-02 05-16

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