

## Packaged Pumping System

# GRUNDFOS HYDRO MPC CME

The Grundfos Hydro MPC CME is a compact, reliable, and energy efficient packaged pumping system ideal for pressure boosting and HVAC applications in apartments, large homes, and multistory buildings.

The advanced Grundfos controls and MLE motor, in combination with variable speed multistage pumps, deliver unsurpassed system efficiency. This plug-and-pump system is easy to specify, install and will provide energy efficient and reliable operation for years.



### KEY FEATURES AND BENEFITS

- **Single source responsibility** ensures one point of contact for all questions and service
- **Affordable packaged system** with the most advanced controller; offered in 2–3 pump configurations
- **Compact design** fits into tight spaces — through a 36" standard door — making it ideal for retrofits
- **Drinking water approvals** from UL Listed Packaged Pumping System and NSF 61/372 drinking water certified; plus ASHRAE 90.1 compliant

### CU 352 CONTROLLER

- **Pump cascade control**, using efficiency-based sequencing, delivers the most efficient operation and protects pumps from running outside their duty range
- **SCADA communication capable** via Ethernet and all industry standard BUS protocols utilizing CIM expansion cards, with BACnet MSTP as standard
- **100kA SCCR fault current** rated panel
- **Built-in logging capability** records operational data such as system built-in performance, flow estimation and energy consumption for troubleshooting and energy analysis
- **Proportional pressure control** makes possible to simulate remote mounted sensor for simplified installation
- **Secondary (fallback) sensor** allows for system control from local sensor, with corresponding setpoint, if remote sensor fails
- **Check valve failure notification** warns or alarms, based on check valve leak rate
- **HVAC controls** includes differential pressure control from the two integrated sensors and multizone control for up to six zones

### CME PUMP

- **Horizontal multistage pump** that is a compact, reliable and quiet solution
- **Materials of Construction:** cast iron (ASTM A48), stainless steel (AISI 304 and AISI 316)

### MLE MOTOR

- **Grundfos Permanent Magnet MLE motors'** offer significant energy savings over NEMA Premium motors with conventional VFD's
- **Built-in protection** against power supply interruptions, along with environment and motor load
- **Innovative design mitigates** against bearing currents

### MANIFOLDS

- **316 stainless steel manifolds** are engineered to reduce pressure loss and protect against corrosion

### APPLICATIONS

- Pressure Boosting
- Hydronic Heating and Cooling

**TECHNICAL DATA**

HYDRO MPC CME	
<b>FLOW, Q (2–3 PUMPS):</b>	max. 345 gpm (78.36 m <sup>3</sup> /h)
<b>HEAD, H:</b>	max. 230 ft (70 m)
<b>WORKING PRESSURE:</b>	max. 145 psi (10 bar)
<b>LIQUID TEMPERATURE:</b>	<ul style="list-style-type: none"> <li>• CME3-5: 32° F to 140° F (0° C to 60° C)</li> <li>• CME10-15: 32° F to 180° F (0° C to 82° C)</li> </ul>
<b>APPROVALS:</b>	<ul style="list-style-type: none"> <li>• System NSF 61/372 Certified</li> <li>• UL Listed Packaged Pumping System</li> </ul>

**PERFORMANCE DATA**

