HYDRO MPC
SUPERB PRESSURE CONTROL
– OPTIMAL ENERGY EFFICIENCY

THE PREMIUM CHOICE FOR ANY JOB
The Hydro MPC is Grundfos’ premium product in the Hydro Booster portfolio. A long list of special features makes it able to handle the operational challenges of any water boosting application. Its easy BMS integration makes it the preferred choice for complex systems and highly technological buildings.

Hydro MPC’s can be installed in a large variety of buildings and systems, and are very common in:

• Public water supply systems
• High rises
• Hotels
• Hospitals
• HVAC systems

HYDRO MPC HIGHLIGHTS

Full range
Grundfos offers a vast variety of pump sizes, which makes sizing easy to fit any duty point.

Easy installation
The system is always pre-configured from the factory, and application specific settings are done via the start-up wizard on the controller.

Low flow stop
The system will stop completely during low consumption periods to save energy.

Reliability through redundancy
Operation reliability is secured by redundant sensor or standby pumps.

Energy optimized cascade
Constant pressure and the highest efficiency are guaranteed through the controller’s intelligent use of pump curve data.

V4-MPC software update
• Multi-sensor functionality
• Non-return valve fault detection
• Secondary sensor control (DDD-CBS)
HYDRO MPC IN MORE DETAIL

Extra protection: Detection of defect non-return valve
Each pump outlet is equipped with a non-return valve (NRV) to avoid backflow when the pump is not running. If the pump is forced backwards due to a defect NRV, the controller will give a warning/alarm.

Energy optimization with Multi Sensor
Energy usage is optimized with the Multi Sensor designed for multiple Air Handling Units (AHU’s) in HVAC applications.

Specific energy measurement
If the system has a flow meter installed it is possible to read out the actual and average specific energy measurement (kWh/m³) on the display.

Remote control without BMS
Maybe you don’t have a BMS system, but you still want remote control for your Hydro MPC? No problem! Use the Ethernet port on the controller to remote control the system with an Internet browser.

General information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Product range</td>
<td>2-6 pumps</td>
</tr>
<tr>
<td>Flow range</td>
<td>0-1080 m³/h</td>
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<tr>
<td>Pressure range</td>
<td>PN10 &amp; PN16</td>
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<tr>
<td>Max power</td>
<td>6 x 75kW</td>
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<tr>
<td>Liquid temp.</td>
<td>0-60°C</td>
</tr>
<tr>
<td>Ambient temp.</td>
<td>0-40°C</td>
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Material information

<table>
<thead>
<tr>
<th>Component</th>
<th>Material/Size</th>
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</thead>
<tbody>
<tr>
<td>Manifold + base frame</td>
<td>CR, CRIE 3 to 20</td>
</tr>
<tr>
<td>Stainless steel</td>
<td>CR, Cre 32 to 150</td>
</tr>
</tbody>
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Visit the Grundfos Product Centre online and get access to sizing tools and a full overview of all products, specifications, and application areas. Go to product-selection.grundfos.com