Pressure Boosting System

GRUNDFOS HYDRO MULTI-B

The Grundfos Hydro Multi-B is a compact, reliable, and energy-efficient constant pressure booster system ideal for domestic water pressure such as apartments, large homes, and multi-story buildings.

This system is a unique combination of variable speed multistage pumps and simple user interface, and provides a lower cost booster solution. The CME pump combined with an MLE motor provides variable speed functionality and energy efficiency.

KEY FEATURES AND BENEFITS

• Plug-and-pump system is the easiest on the market to specify, size, purchase, install and commission
• Single source responsibility ensures one manufacturer for pumps, motors, system components and control
• An affordable option for your pressure boosting applications
• Compact design fits into tight spaces which makes it ideal for retrofits
• 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 323 CONTROLLER

• Designed to run up to three parallel connected pumps
• Simplicity was the key design concept of this powerful and extremely easy to use pump controller
• Enables manual setting and change of parameters such as setpoint, start/stop of system or individual pumps, resetting of alarms
• BACnet, BACnet IP, Modbus, Modbus IP, Profibus and SCADA communication options guarantee integration into your management system of choice

CME PUMP

• An industrial quality and quiet horizontal multistage pump, the compactness of the Hydro Multi-B is only achievable due to the unique combination of size and performance that the Grundfos CME

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
• 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
• Multistory buildings, such as apartment buildings
• Light commercial
• Rural areas requiring pressure boosting
• Irrigation

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**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>HYDRO MULTI-B</th>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>FLOW, Q:</strong></td>
<td>max. 360 gpm</td>
</tr>
<tr>
<td><strong>HEAD, H:</strong></td>
<td>max. 240 ft</td>
</tr>
<tr>
<td><strong>LIQUID TEMPERATURE:</strong></td>
<td>32°F to 176°F</td>
</tr>
<tr>
<td><strong>WORKING PRESSURE:</strong></td>
<td>max. 145 psi</td>
</tr>
</tbody>
</table>

**PERFORMANCE DATA**

Visit grundfos.us/pei to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.