

## Packaged Pumping Systems

# HYDRO HP

The all new Grundfos Hydro HP is a fully integrated high-pressure booster system offering a more reliable and energy-efficient solution for clean and wash applications. The system features industry-leading CR vertical multistage inline pumps, which offer superior hydraulic performance and bulletproof reliability in a space-saving footprint.

The integrated VFD control offers consistent system pressure, whether the system is used to clean with one spray wand or do a full facility washdown, all without the need for a recirculation line. A low-flow jockey pump efficiently maintains system pressure to meet low-flow cleaning demands. Additionally, with the easily serviced Grundfos Hydro HP, plants can expect to realize full ROI after the first few maintenance cycles.

### KEY FEATURES AND BENEFITS

- **Tandem main pumps** operate as a single unit
- **Saves energy** with the most efficient cascade control, application optimized software, and pumps in the industry
- **Built-in logging capability** provides historical information for energy analysis
- **CRN/CRNE pumps**, at the heart of the Hydro HP, are the world's number one vertical multistage centrifugal pumps, known for their reliability, efficiency and adaptability
- **Cartridge shaft seal** is available in a variety of materials and can be replaced in minutes for easier maintenance
- **Low-flow stop control** that exceeds ASHRAE 90.1 energy code for service water boosters
- **User-friendly HMI** screen on the controls offers simple operation
- **SCADA communication capable** via field-bus and Ethernet protocols like Modbus, BACnet, Profibus, LON or EtherNet/IP for back office control of your entire system.
- **Flow and energy readout** included with inclusion of flow meter
- **Advanced permanent magnet (ECM) motor**, available up to 15 hp, in combination with pumps and customizable software, optimizes your system's performance for any load point, resulting in an unsurpassed reduction of energy consumption
- **Single-source responsibility** by Grundfos with the pumps, motors and controls all manufactured and backed by the same supplier
- **Factory service** and monitoring plans available to ease maintenance concerns
- **Factory assembled and tested** to the highest standards to ensure trouble-free installation and operation
- **Carbon Steel** or 316SS piping options
- **NEMA 12 or NEMA 4X** control panels available with optional air conditioning

### APPLICATIONS

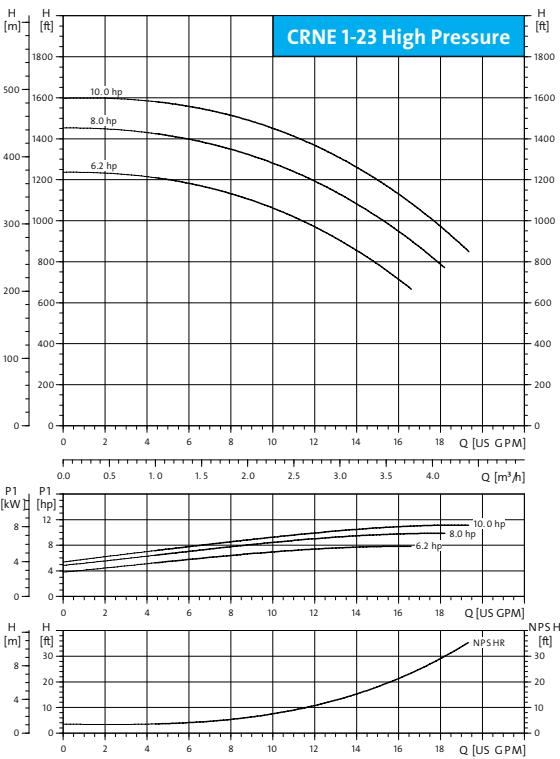
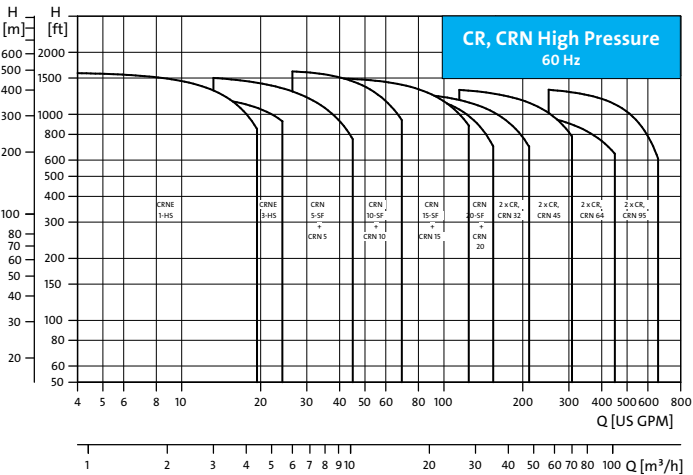
- Food and beverage cleaning systems
- Reverse osmosis systems
- Spraying and washing systems
- High-pressure paper shower
- Boiler feed/cleaning systems



TECHNICAL DATA

HYDRO HP INFORMATION	
FLOW, Q:	max. 150, 250, 350 and 500 GPM systems
HEAD, H:	max. 1675 ft
WORKING PRESSURE:	max. 725 psi
LIQUID TEMPERATURE:	32° F to 248° F
APPROVALS:	UL Listed Packaged Pumping System

PERFORMANCE DATA



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