

HYDRO MULTI-E PRESSURE BOOSTING SYSTEM



Compact, reliable and versatile booster solution
with system control redundancy

GRUNDFOS 

Possibility in every drop

Intelligent pressure boosting system with built-in controls

Unique to the Hydro Multi-E is its lack of a conventional control unit. In this intelligent solution, control of the system lies within the pumps, which are able to communicate with each other.

Since each pump can function as the controlling unit, there is full redundancy if a sensor or pump should fail. Together with Grundfos GO, the Multi-E presents a highly reliable and versatile booster solution.

The most common application areas for the Hydro Multi-E are:

- Apartment buildings
- Hotels
- Hospitals
- Schools
- Irrigation
- Wash and clean
- Fire hydrants

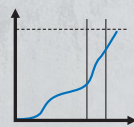
Reliable and versatile with full system redundancy

See what Hydro Multi-E offers:



High-efficiency IE5 motors

New MGE SaVer motor with a total efficiency, including the frequency converter, higher than the IE5 level defined by the IEC 60034-31, even though this standard only applies to the motor.



Soft pressure build-up

The pump slowly fills the pipes on start-up before ramping up speed to reach the setpoint, protecting against water hammer and damage, and reducing water leakage and noise.



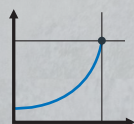
Multi-Master system control redundancy

If a sensor or master pump should fail, the next pump with a sensor automatically takes over as the controlling unit. You get peace of mind with no breakdowns, increased uptime and smooth operation without the need for external controls – all settings are directly from the pump.



Communication interfaces

Integrate fully into existing BMS or SCADA systems using the Grundfos CIM interfaces, which enable data communication via open and interoperable networks and ensure one solution offering complete process monitoring and control, increasing reliability.



Proportional pressure

Proportional pressure reduces friction losses in the pipe, providing lower operation costs, less water leakage, greater comfort for the end-user and reduced energy consumption.



Remote monitoring with Grundfos GO

Grundfos GO is a comprehensive platform for mobile pump control and pump selection, where you can monitor duty points, operating hours, power consumption, speed and temperature of the pumps from the Grundfos GO Remote app on your smartphone.

Standard configuration of all systems

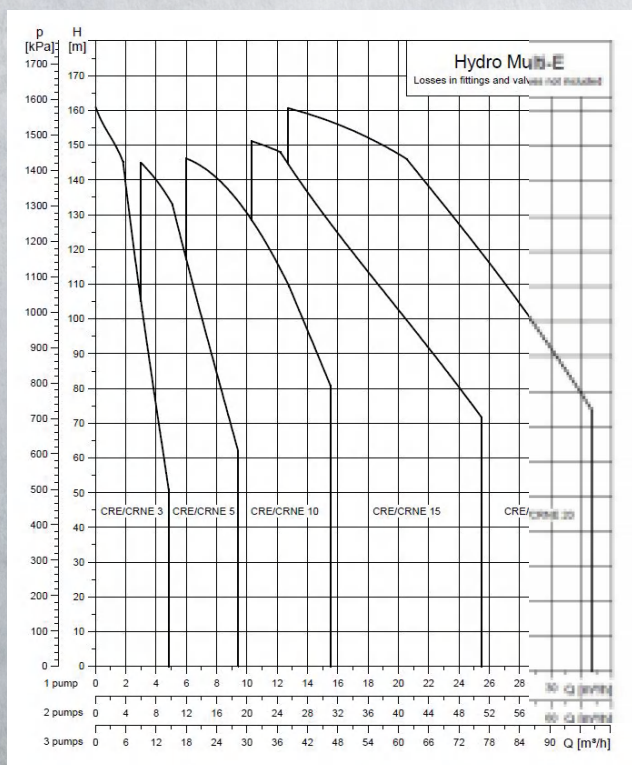
When you order a Hydro Multi-E pressure boosting system, the standard configuration consists of:

- IE5 motors
- Stainless steel
- Pre-defined pressure tank
- Primary sensor redundancy
- Standard 2 x pressure sensor for the dry run protection

General information	
Product range	2-3 pumps
Flow range	1-105m ³ /h - CRE & CRNE
Pressure range	PN10 & PN16
Max power	3 x 7.5kW
Liquid temp.	5-60°C
Ambient temp.	0-50°C
Enclosure class (IEC 34-5)	IP65

Material information	CRE	CRNE
Pump Head	Grey cast iron	Stainless Steel 316
Impeller	Stainless Steel 304	Stainless Steel 316
Base	Grey cast iron	Stainless Steel 316
Common Manifold	Stainless Steel 304	
Base Frame	Stainless Steel 304	

Performance curve: HYDRO MULTI-E, CRE/CRNE



For other CRE/CRNE model options, please contact your Grundfos representative.

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

About Grundfos

Grundfos is a global water technology company committed to pioneering solutions to the world's water and climate challenges and improving the quality of life for people. Grundfos was founded in 1945 and is today one of the world's leading providers of pump solutions with annual production standing at more than 17 million units and over 19,000 employees.

For the vastly different requirements in commercial buildings, Grundfos offers a complete range of pumping solutions that ensure optimal comfort and safety in any application while providing cutting-edge energy efficiency. When you buy from Grundfos, you get a user-friendly and reliable solution from a full-line supplier that offers improved CAPEX & OPEX and, ultimately, peace of mind for your operations.



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