

# HYDRO MULTI-E

## COMPACT SOLUTION WITH SYSTEM CONTROL REDUNDANCY

### PUMPS WITH BUILT-IN CONTROLS PROVIDE FULL REDUNDANCY

Unique to the Hydro Multi-E is its lack of a conventional control unit. In this intelligent solution, the 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



### HYDRO MULTI-E HIGHLIGHTS

#### System control redundancy (Multi Master)

The control of the system is located inside the pumps. This means that each pump function as a controller and will keep the system running in any situation.

#### Plug-and-pump philosophy

A standard factory configuration means the system is ready to ensure constant pressure as soon as it is switched on.

#### Low flow stop

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

#### Easy operation

Operate the system easily directly from the control panel on the pump. Here you can start or stop the system and adjust the set point. Additional features and functionalities are set up with Grundfos GO.

#### Fast Track:

- Only four days from order placement to shipment from the factory

#### Standard configuration of all systems:

- IE5 motors
- Stainless steel (hygienic)
- Pre-defined pressure tank
- Primary sensor redundancy

be  
think  
innovate

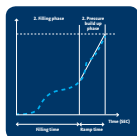
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## HYDRO MULTI-E IN MORE DETAIL



### High-efficiency IE5 motors

Motors used in the Hydro Multi-E range meet IE5 efficiency standards



### No water hammer

Slow pipe filling is a feature used to slowly fill up e.g. an empty riser pipe in a high-rise building to avoid water hammering.



### Alarm for limit exceed

The limit-exceeded function monitors a variety of different analogue input signals, and gives a warning or alarm if e.g. the discharge pressure exceeds an end-user defined limit.



### The full overview with Grundfos GO

Need operation information such as operating hours, power consumption and energy consumption? With Grundfos GO every system operation detail is only one click away.

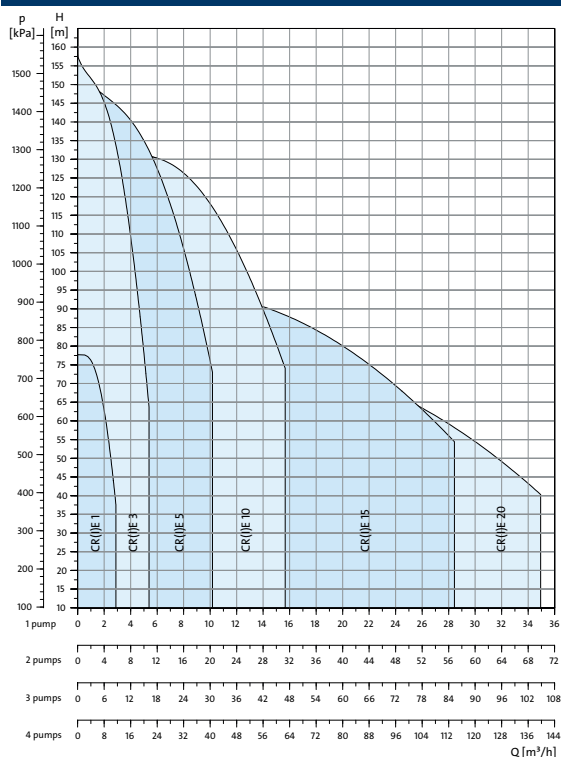
### General information

|                |                                     |
|----------------|-------------------------------------|
| Product range  | 2-4 pumps                           |
| Flow range     | 0-140m <sup>3</sup> /h - CRE & CRIE |
| Pressure range | PN10 & PN16                         |
| Max power      | 4 x 11kW                            |
| Liquid temp.   | 0-60°C                              |
| Ambient temp.  | 0-50°C                              |

### Material information

|  |   |
|--|---|
| Manifold:  | Stainless steel EN/ DIN AISI 316/1.4571 |
| Base frame:  | Stainless steel EN/ DIN AISI 304/1.4301 |
| Pump:<br>Stainless steel EN/DIN 1.4301/AISI 304          | CRIE                                    |
| Pump:<br>Cast iron<br>(Wetted parts are Stainless steel) | CRE                                     |

### Performance curve: HYDRO MULTI-E, CRE/CRIE



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