



**Application:** A wide range of Professional VFDs with the following options:

- for single pump or multi-pump boosting systems
- air cooled or water cooled models
- available in three versions: single phase power supply for single phase pump, single phase power supply for 3-phase pump and 3-phase power supply for 3-phase pump.

**Advantages:** User-friendly interface composed of 4 buttons and a display with 16 char-2 lines, for an easy first installation and for managing operation and alarm parameters.

**Benefits:** The parameters for the first installation are the desired pressure and the maximum current of the pump: these are clearly displayed so that there is no need to read the manual in order to understand them.

In the event of an anomaly, HydroController protects the boosting system by switching off the pump, in order to safeguard the water supply it will undertake automatic or programmed reset attempts.

**New:**  
web monitoring with wifi connection



Mounting	HCW on pipe HCA on wall
Mounting position	HCW anyHCA vertical
Display	LCD 2 lines with 16 characters
Protection rating	HCW IP65
T operating	0 – 40°C
Input/Output	HCW 1 1/4" female
Output Frequency	5-100hz
Pressure Set Point	HCW 0,3-7,5 bar HCA 0,3-20 bar
Electrical Safety	EN60730
Electromagnetic Compatibility	EN61000 (norme specifiche nel certificato CE)
Protection	Dry Running, Low/High Power supply, Short-circuit, Over-current, Over Heating, Insufficient Pressure, Pressure Sensor malfunction, Water hammer
Dimensions	HCW 35x19x17cm HCA (3-5.5hp) 35x24x17cm HCA (7.5-12hp) 39x25x19cm
Weight	HCW 2,5kg (4kg mod TT) HCA 5,6Kg (8kg mod TT 7,5-12Hp)

## A wide range of models for all needs

The range of HydroController is divided into the following models:

- HCW water cooled, for in line installation, with built-in pressure sensor and flow sensor.
- HCA air cooled, for wall mounting installation, external pressure sensor supplied as standard.

Available in two versions:

### Standard

A basic version that includes all the features and common protections, each device pilots a single pump.

The device has an input for external float switch or remote control ON/OFF and an output relay that can be used as a warning signal or for boosting system with a second pump at a fixed rate.

### Advanced

More than the basic version, this model adds more features and allows the realization groups up to 8 pumps (all pumps must be identical). In the multi-pumps mode, the communication is CanBus protocol and guarantees not only the alternation of the pumps but also the option Multimaster (in case of failure of a component in the system it automatically reconfigures itself). In this configuration, the system handles all the pumps used in variable speed, increasing/decreasing together with their speeds of rotation.

The Advanced version also integrates the following features:

- Irrigation: The irrigation control unit can be connected to the HC through the Multipress4, with the possibility of setting up to 4 pressures, for different sectors of irrigation.
- 2 Outputs relays
- 2 Auxiliary inputs Specific uses of the inputs and outputs can be arranged with our technical department.

Standard Product 50/60Hz

Model	Line Voltage	Pump Voltage	Phase Current	Max Pump power	In. Float switch	Input	In irrigation	Output	Multipumps
HC-MM08-ST	1 x 230Vac	1 x 230Vac	8A	1,1kw (1,5Hp)	1			1	
HC-MM08-ADV	1 x 230Vac	1 x 230Vac	8A $\phi$	1,1kw (1,5Hp)	1	2	4	3	x
HC-MM12-ST	1 x 230Vac	1 x 230Vac	12A	1,6kw (2,2 Hp)	1			1	
HC-MM12-ADV	1 x 230Vac	1 x 230Vac	12A	1,6kw (2,2 Hp)	1	2	4	3	x
HC-MT10-ST	1 x 230Vac	3 x 230Vac	10A	2,2kw (3Hp)	1			1	
HC-MT10-ADV	1 x 230Vac	3 x 230Vac	10A	2,2kw (3Hp)	1	2	4	3	x
HC-TT06-ST	3 x 400Vac	3 x 400Vac	06A	2,2kw (3Hp)	1			1	
HC-TT06-ADV	3 x 400Vac	3 x 400Vac	06A	2,2kw (3Hp)	1	2	4	3	x
HC-TT11-ST	3 x 400Vac	3 x 400Vac	11A	4kw (5,5Hp)	1			1	
HC-TT11-ADV	3 x 400Vac	3 x 400Vac	11A	4kw (5,5Hp)	1	2	4	3	x
Big Plants									
HC-TT15-ADV	3 x 400Vac	3 x 400Vac	15A	5,5kw (7,5Hp)	1	2	4	3	x
HC-TT18-ADV	3 x 400Vac	3 x 400Vac	18A	7,5kw (10Hp)	1	2	4	3	x
HC-TT25-ADV	3 x 400Vac	3 x 400Vac	25A	11kw (15Hp)	1	2	4	3	x

American Version 60Hz

Model	Line Voltage	Pump Voltage	Phase Current	Max Pump power	In. Float switch	Input	In irrigation	Output	Multipumps
HC-TT06-ST	3 x 230Vac	3 x 230Vac	06A	1,1 kw (1,5hp)	1			1	
HC-TT06-ADV	3 x 230Vac	3 x 230Vac	06A	1,1 kw (1,5hp)	1	2	4	3	x
HC-TT11-ST	3 x 230Vac	3 x 230Vac	11A	2,2 kw (3hp)	1			1	
HC-TT11-ADV	3 x 230Vac	3 x 230Vac	11A	2,2 kw (3hp)	1	2	4	3	x
Large systems / Big Plants									
HC-TT15-ADV	3 x 230Vac	3 x 230Vac	15A	3,7 kw (5hp)	1	2	4	3	x
HC-TT11-ADV	3 x 230Vac	3 x 230Vac	18A	4,5kw (6Hp)	1	2	4	3	x
HC-TT25-ADV	3 x 230Vac	3 x 230Vac	25A	5,5kw (7,5Hp)	1	2	4	3	x

