

Atecpool Pool Controls

Electric panel with VFD

Atecpool VFD Control Panel

VFD Control Panel. Voltage 3 x 400V 50Hz.

Selector MAN-O-AUTO.

2 clocks for filtration and speed control.

Selector by-pass VFD.



Atecpool VFD Control Panel Specifications

Cabinet:

- Metal wall-case
- Master switch
- Thermomagnetic panel and contactor
- 4 poles disconnector
- VFD protections
- Forced ventilation equipment with thermostat, protection grill and filters integrated in the panel.
- Cable entry and exit with cable glands

VFD:

- VFD CONTROL PANEL for synchronous and asynchronous motors
- Door mounted display panel
- Vnom: Operating speed at nominal speed, usually 50Hz
- Vmin: Minimum operating speed, at low revolutions.
- Programmable in the drive to ensure minimal filtering.

Signals:

- Indicators of operation and alarms in door by means of luminous lights
- Alarm light VFD: red
- Pump working light: green

Filtration time control:

- Clock 1 in which we must indicate the working hours of the pump. This control selects the operating hours of the pool filter.

Speed control:

- Clock 2 acts for speed control at low revolutions at peak times. We must indicate the peak hours of the cost of energy. For energy saving this control will activate the signal drive to work at low revolutions during peak hours, saving the corresponding economic costs.

Bypass selector for direct start:

- Models up to 12 A have a 2-position selector or bypass, which allows the VFD to be disabled and the pump to be operated directly by direct start.
- 2 positions selector: Start via VFD / DOL

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Model	Voltage (V)	Input Power (kW)	Power (HP)	Current (A)	By Pass (m3/h)	Dimensions (m)
VFD4003A	3x400V	1.1	1.5	3	•	600x400x250
VFD4004A	3x400V	1.5	2	4	•	600x400x250
VFD4005A	3x400V	2.2	3	5	•	600x400x250
VFD4006A	3x400V	3	4	8	•	600x400x250
VFD4007A	3x400V	4	5.5	9	•	600x400x250
VFD4008A	3x400V	5.5	7.5	12	•	600x400x250
VFD4009A	3x400V	7.5	10	16	•	800x400x300
VFD4010A	3x400V	11	15	23	•	800x400x300
VFD4011A	3x400V	15	20	31	•	800x400x300
VFD4012A	3x400V	18.5	25	38	•	1000x600x300
VFD4013A	3x400V	22	30	45	•	1000x600x300
VFD4014A	3x400V	30	40	61	•	1000x600x300
VFD4015A	3x400V	37	50	72	•	1200x600x300