

ACTIVE DRIVER 1



The Active Driver 1 device is an innovative variable speed electric pump integrated control system, capable of maintaining the a constant pressure in relation to the varied flow rates. The set pressure can be adjusted and the various settings and related error warnings can be viewed, thanks to a simple and immediate user interface.

Active Driver 1 is made up of:

- an inverter
- a pressure sensor
- a flow sensor

Some advantages in using Active Driver 1:

- greater comfort
- greater energy saving
- greater noise reduction
- reduced dimensions
- eliminates overpressures
- increased lifespan of the electric pump
- easy installation
- capable of controlling many different types of electric pumps

Active Driver 1 is equipped with a malfunctions protection system.

In the event that a malfunction is verified, it is signalled on the display and, depending

on the type of error, the electric pump can turn off.

- protection against dry-running
- amperometric protection
- electric pump overheating protection
- protection against abnormal power supply voltages

Max. motor phase current: 9.3 Amps

Line voltage: 230V single-phase

Electric pump voltage: 230V three-phase

Power supply frequency: 50 Hz

Installation: vertical or horizontal

Maximum liquid temperature: 50°C

Maximum operating temperature: 60°C

Maximum pressure: 10 bar

Pressure regulation range: from 1 to 9 bar

Suction diameter (DNA): 1 1/4" male

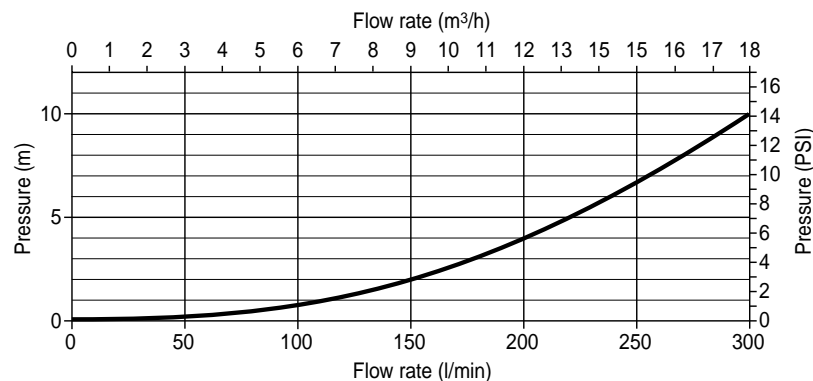
Delivery diameter (DNM): 1 1/2" female

Protection level: IP55

Active Driver 1 can also be used parallel, this being a device for each electric pump.

AUTOMATIC ERROR RESETS		
MESSAGE ON DISPLAY	DESCRIPTION	AUTOMATIC RESET SEQUENCE
BL	No water	- One attempt every 10 minutes for up to 6 attempts - One attempt every hour for up to 24 attempts - One attempt every 24 hours for up to 30 attempts
LP	Voltage too low	- Resets when voltage returns to within 220V - 20% + 10%
Ot	Power terminals overheated	- Resets when the temperature of the power terminals falls below 70°C
OC	Overcurrent	- One attempt every 10 minutes for up to 6 attempts

HYDRAULIC DATA



DIMENSIONS AND WEIGHTS

MODEL	OVERALL DIMENSIONS			WEIGHT Kg
	L	H	P	
ACTIVE DRIVER 1	22	28	18	3,650