DAB
PUMP PERFORMANCE

ACTIVE DRIVER

NEW

CE

The Active Driver devices are innovative variable speed electric pump integrated control systems, capable of maintaining 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 is made up of:
- an inverter
- a pressure sensor
- a flow sensor

Some advantages in using Active Driver:
- 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 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 can also be used parallel, this being a device for each electric pump (exept the M/M 1.1 model).

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

MODEL	VOLTAGE MAIN	VOLTAGE PUMP	P1 MAX KW	In A	DNA	DNM	CONNECTIVITY FOR PARALLEL WORKING	Q MAX m^3/h
ACTIVE DRIVER M/M 1.1	1x220-240 V ~	1x220-240 V ~	1,1	8,5	1 1/4"	1 1/2"	NO	15
ACTIVE DRIVER M/T 1.0	1x220-240 V ~	3x230 V ~	1,0	4,7	1 1/4"	1 1/2"	SI	15
ACTIVE DRIVER M/T 2.2	1x220-240 V ~	3x230 V ~	2,2	9,3	1 1/4"	1 1/2"	SI	15
ACTIVE DRIVER T/T 3.0	3x400 V ~	3x400 V ~	3,0	6,8	1 1/4"	1 1/2"	SI	15
ACTIVE DRIVER T/T 5.5	3x400 V ~	3x400 V ~	5,5	13,3	1 1/4"	1 1/2"	SI	15

DIMENSIONS AND WEIGHTS

MODEL	OVERALL DIMENSIONS L	H	P	WEIGHT Kg
ACTIVE DRIVER M/M 1.1	22	28	18	3,650
ACTIVE DRIVER M/T 1.0	22	28	18	3,650
ACTIVE DRIVER M/T 2.2	22	28	18	3,650
ACTIVE DRIVER T/T 3.0	22	28	18	3,650
ACTIVE DRIVER T/T 5.5	22	28	18	3,650