

# ACTIVE DRIVER INVERTER

## PRESSURE PUMPS



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

**Model:** A.D. M/T 2.2

**Max. motor phase current:** 10,5 Arms.

**Line voltage:** 230V single-phase.

**Electric pump voltage:** 230V three-phase.

**Power supply frequency:** 50 Hz - 60 Hz.

**Installation:** vertical or horizontal.

**Maximum liquid temperature:** 50°C.

**Maximum operating temperature:** 60°C.

**Maximum pressure:** 16 bar.

**Pressure regulation range:** from 1 to 15 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 (except the M/M 1.1 model).

## TECHNICAL DATA

Advised maximum flow = 15 m<sup>3</sup>/h

MODEL	CODE	MAX CURRENT OF MOTOR A	MAX MOTOR POWER kW	VOLTAGE 50/60 Hz	PUMP SUPPLY VOLTAGE Volt	DNA GAS	DNM GAS	CONNECTIVITY FOR PARALLEL WORKING	TO BE USED WITH PUMPS TYPE	PRESSURE REGULATION RANGE BAR
ACTIVE DRIVER M/M 1.1	109640610	8,5	1,1	Single-phase 1x230	Single-phase 1x230	1 1/4" M	1 1/2" F	NO	Surface pumps, 4" submersible pumps and 5" pumps with single-phase motor and input current of up to 8,5 A	1-6
ACTIVE DRIVER M/M 1.5	88002281	11	0,55	Single-phase 1x115	Single-phase 1x115	1 1/4" M	1 1/2" F	YES	Surface pumps, 4" submersible pumps and 5" pumps with single-phase motor and input current of up to 11 A	1-9
			1,5	1x230	1x230					
ACTIVE DRIVER M/M 1.8	88002282	14	1,0	Single-phase 1x115	Single-phase 1x115	1 1/4" M	1 1/2" F	YES	Surface pumps, 4" submersible pumps and 5" pumps with single-phase motor and input current of up to 14 A	1-9
			1,8	1x230	1x230					
ACTIVE DRIVER M/T 1.0	109640640	4,7	1,0	Single-phase 1x230	Three-phase 3x230	1 1/4" M	1 1/2" F	YES	Surface pumps, 4" submersible pumps and 5" pumps with three-phase motor and input current of up to 4,7 A	1-9
ACTIVE DRIVER M/T 2.2	109640600	10,5	2,2	Single-phase 1x230	Three-phase 3x230	1 1/4" M	1 1/2" F	YES	Surface pumps, 4" submersible pumps and 5" pumps with three-phase 230V motor and input current of up to 10,5 A	1-16
ACTIVE DRIVER T/T 3.0	109640620	7,5	3,0	Three-phase 3x400	Three-phase 3x400	1 1/4" M	1 1/2" F	YES	Surface pumps, 4" submersible pumps and 5" pumps with three-phase 400V motor and input current of up to 7,5 A	1-16
ACTIVE DRIVER T/T 5.5	109640630	13,3	5,5	Three-phase 3x400	Three-phase 3x400	1 1/4" M	1 1/2" F	YES	Surface pumps, 4" submersible pumps and 5" pumps with three-phase 400V motor and input current of up to 13,3 A	1-16

MODEL	DIMENSIONS (mm)			WEIGHT KG	Q.TY'x PALLET
	LENGHT	HEIGHT	DEPTH		
ALL	220	280	180	5,3	32