

# Rapida 2.0

Adjusting on the right frequency



# Rapida 2.0

The latest new Doseuro product for improving our high performance pumps.

Quick and Easy is the RAPIDA's motto, thanks to its display, control board and different function that allow the pump setting to be changed immediately. The RAPIDA 2.0 inverter motor is an assembly of a three-phase asynchronous electric motor and an inverter board, designed to allow the speed of the motor to be varied. It is specifically fitted to the entire range of Doseuro SR series pumps.

POSSIBILITY  
TO ROTATE  
THE MOTOR  
+/- 90°

GRAPHIC DISPLAY  
WITH INDICATION OF  
CURRENT FLOW RATE  
(IN L / H OR GPH),  
% OF SPEED OR  
CURRENT FREQUENCY

POSSIBILITY  
TO INSTALL  
WIRED REMOTE  
CONTROL KIT



## Function

- **Manual:** flow rate adjustment with digit display
- **Analogic:** flow rate adjustment with input 4-20mA or 0-20mA or 0-10V or 2-10V
- **RS485 serial port:** flow rate adjustment with ModBUs/RTU protocol
- **Level control setting:** predisposed to be connected to level sensor
- **Batch:** pump can be programmable for operating only for a certain quantity
- **Timing mode:** delayed start or working in a determinate time HH:mm
- **Remote alarm:** relay exit to switch for any alarm
- **Priming:** mode to facilitate pump start-up

## Technical data

- Vector voltage control for variation in frequency to control a 3Ph motor
- Motor power: from 0.25 kW up to 0.75 kW
- Power supply: 1Ph 230V ( $\pm 10\%$ ) 50/60Hz - upon request 1Ph 110V ( $\pm 10\%$ ) 50/60Hz
- Protection: IP55
- Ambient temperature: 0 - 45°C
- Ambient altitude: up to 1000 m above sea level
- Rated motor current at 230Vac: up to 3.5 A
- Guaranteed overload capacity in continuous service: 150%
- A.C. side current consumption at motor Pnominal 4.3 A (Rms)

Pump assignment				
Pump model	RAPIDA 2.0 02 0.25kw	RAPIDA 2.0 0.3 0.37KW	RAPIDA 2.0 0.5 0.55KW	RAPIDA 2.0 0.7 0.75KW
D050N	■			
D100N	■	■		
D101N	■	■		
D121N			■	
D122N			■	■
A-B-BR-SD 125N	■			
A-B-BR-SD 175N	■	■		
A-B-BR-SD 250N			■	■
A350N				■

## The benefits



**GRANTING ACCURATE DOSING**  
Possibility to modify pump curves according to the real installation condition



**WORKING TIME CHECKING**



**PASSWORD SETTING**



**REDUCED OVERALL DIMENSION**



**EASY TO INSTALL**  
Possibility to install on existing pumps

## Applications

- Water & waste-water treatment
- Food industry
- Textile industry
- Power station
- Pulp & paper industry



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