

# EASY REGULATION OF YOUR FLEXIBLE IMPELLER PUMP



## MOTORS WITH INTEGRATED FREQUENCY CONVERTER

By using a frequency converter, the motor speed is continuously adjustable to allow the regulation of capacity during the filling and dosing process. In addition, a high energy efficiency is reached from adapting the motor power.

- / change of rotation
- / overload protection
- / precise propulsion control
- / compact design
- / high energy efficiency
- / continuously adjustable



## OPTIONAL OPERATION VIA BLUETOOTH

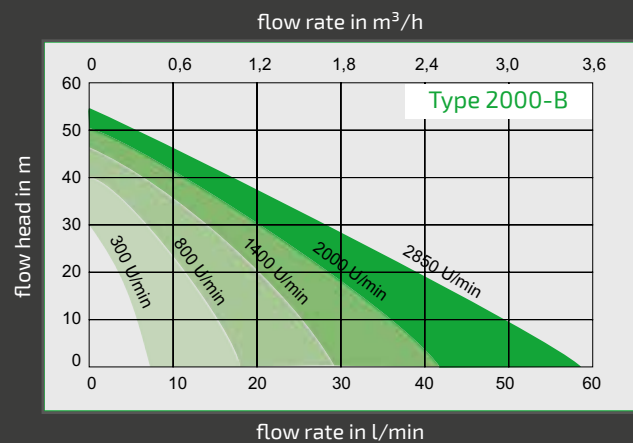
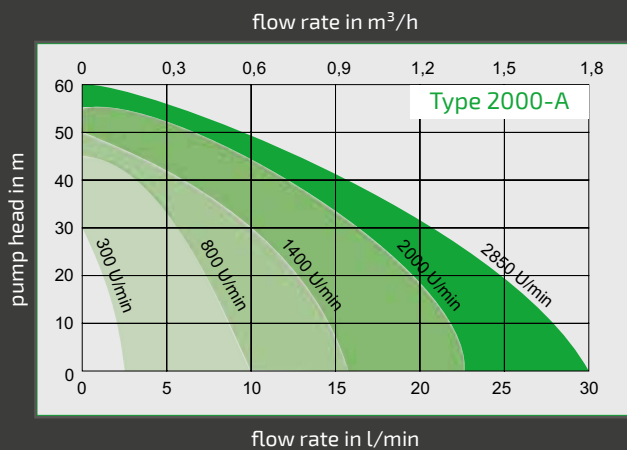
The adjustment of your impeller pump can be made by using the Bluetooth connection of a smartphone or tablet. Save, load, and send parameterization of your pump motor and supervise the pumps wirelessly in real-time.

- / easy installation via app
- / fault analysis with fault history
- / 100% compatibility to PC software

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FREQUENCY CONVERTER INVEOR ALPHA	
recommended motor power / converter performance	0,37 to 0,75 kW
supply voltage / frequency	1x100 VAC -15 % to 230 VAC +10 %, 50 / 60 Hz +- 6 %
line current	7,3 A
nominal output current at 230 V / 4 kHz	3,3 A
output voltage	1 AC, 0 up to mains voltage
output frequency	0 to 400 Hz
overload for 60 seconds max.	150 %
protective function	overvoltage, undervoltage, l <sup>2</sup> t, short circuit, motor temperature, inverter temperature, tilt protection, anti-skid protection, PID dry run protection, motor current limit
recommended mains fuse (slow)	10 A
process control	freely configurable PID controller
dimension (L x W x H)	187 x 126 x 80 mm
weight incl. adapter plate	1,5 kg
ambient temperature	-10 °C (without condensation) up to 40 °C (50 °C with derating)
degree of protection	IP 65
EMC	complies with DIN EN 61800-3, class C2
Certificates and Conformity	CE, (UL), RoHS



with Perbunan-impeller

ARTICLE DESCRIPTION	ITEM NUMBER
Frequency converter INVEOR alpha	170010
Interface cable INVEOR - PC to frequency converter	170016
Bluetooth stick for frequency converter INVEOR alpha	17001060

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