

## PRODUCT DATA SHEET SUBMERSIBLE PUMP



# Omnigena

### OMNITRON

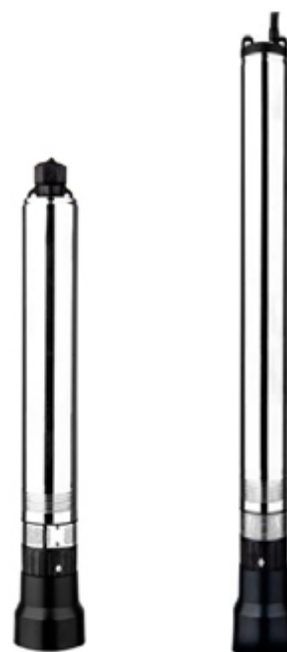
The OMNITRON 5000/OMNITRON 5000 AUTOMAT submersible pump of monoblock construction is designed for pumping clean, cold, fresh water from deep boreholes (provided the diameter of the well pipe allows it) and other large-size tanks and other large wells.

#### FEATURES

- The built-in electronic controller makes the pump work, like a booster set, fully automatically without any additional equipment such as a tank or pressure switch - **Omnitron 5000 Automatic**
- Dry-running protection - **Omnitron 5000 Automatic**
- Pump deactivation function if the discharge system has a small leak - **Omnitron 5000 Automatic**
- Built-in non-return valve - **Omnitron 5000 Automatic**

#### Shared:

- Can be installed in a manhole pipe with an inside diameter from 110 mm
- All parts of the pump which come into contact with water are made of stainless materials
- Thermal protection built into the winding, which protects the motor from overheating
- Built-in capacitor for easy electrical connection
- The motor is cooled by pumped water
- Cable with plug



#### TECHNICAL DATA

Max. water temperature	35°C
Max. immersion depth	20 m
Working position	vertical
Length of power cable	20 m*
Min. cooling flow	0.08 m/s
Max. number of starts	20x/hour
Degree of protection	IP 68
Motor speed	2850 rpm
Insulation class	B

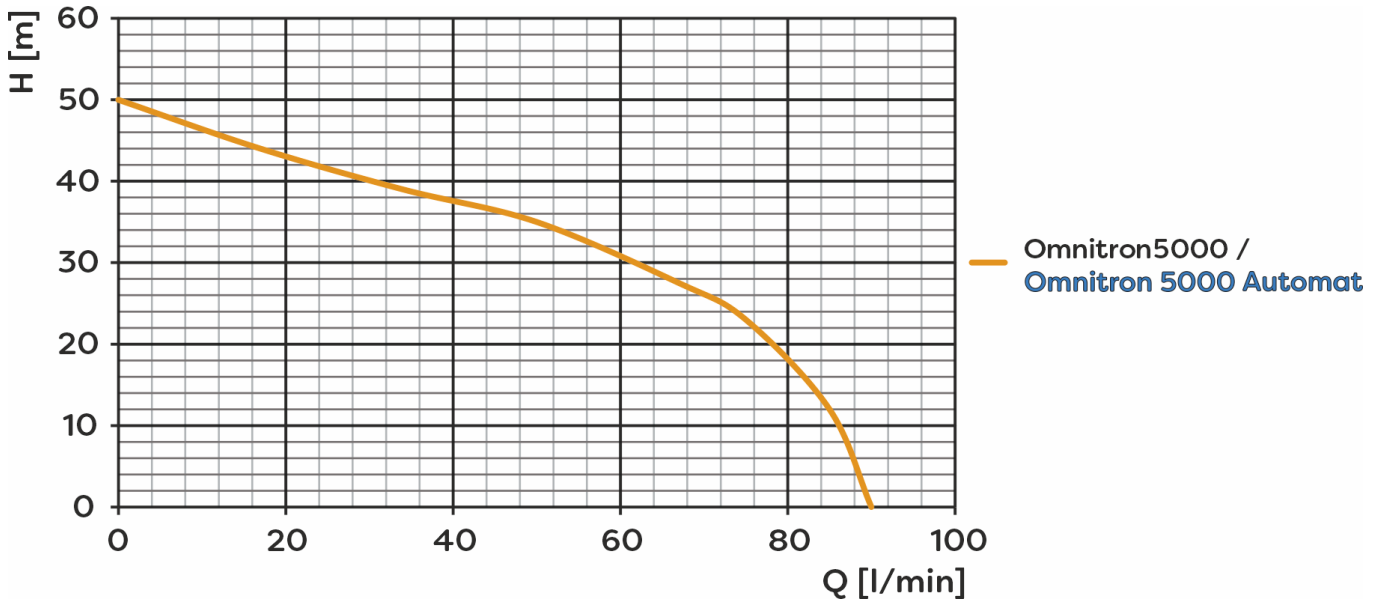
#### MATERIALS

Motor housing	stainless steel
Delivery outlet	brass embedded in technical polymer
Mechanical glands	silicon carbide/carbon
Rotors and diffusers	noryl
Pump shaft	stainless steel
Suction sieve	stainless steel

\* Depending on individual requirements, we can attach an additional cable of the appropriate core diameter and length (multiples of 5m) to the factory cable using a hermetic connector. We provide a guarantee for the completed connector.

**TABLE AND GRAPH OF PARAMETERS**

Pump model	Q max Flow [l/min]	H max Head [m]	P Motor power [kW]	U Voltage [V]	I Current [A]	C Capacitor [μF]	RP-Ø Output press [inch]	H Pump height [mm]	A Pump diameter [mm]	Weight pumps [kg]
Omnitron 5000	90	50	1.1	230	4.6	15	1¼"	750	98	12
Omnitron 5000 Automatic	90	50	1.1	230	4.6	15	1"	920	98	14



Pump model	Motor power (kW)	Flow(Q)								
		m <sup>3</sup> /h	0	1.02	2.04	3	4.02	4.5	5.1	5.4
Omnitron 5000/ 5000 Automatic	1.1	l/min	0	17	34	50	67	75	85	90
		H(m)	50	44	39	35	27.5	23	12	0

The manufacturer reserves the right to make design and colour changes to the product at any time without prior notice. Photographs, drawings and diagrams are for illustrative purposes only. Verification of product parameters was carried out on a selected batch. Depending on the production batch, these parameters may vary. Before purchasing the product, please check the parameters of the specific unit on the nameplate. The specified parameters are obtained at the unit output without taking into account external factors, e.g. in pumps - resistance of the discharge and suction installation. The unit parameters were obtained under laboratory conditions. Under operating conditions, there may be a difference of +/- 10 % from that indicated on the nameplate of the individual unit. The maximum motor power quoted is the power output at the motor shaft. Before installation, please check the nameplate specifications of the individual pump. Version 05.2023