

ref. 99012616

SUBMERSIBLE PUMP DPI800

DOMPELPOMPEN MAST

Discharge height: max 21m
Maximum flow: 1350 l/min
Pellet passage: 10mm
Coupling: DSP70
Motor: 400V - 50 Hz - 3-phase
Power P1: 3.3 kW
Maintenance free and dry run protection

DESCRIPTION
Extremely robust submersible pump from Mast, the TP 8-1 (DPI800).
This submersible pump is driven by a waterproof electric motor. Its smart design allows it to be cooled by the pressurised water. It can be used both vertically and horizontally.
It is also perfectly suitable for pumping drinking water or other liquids without contaminating them. The pump contains no cooling oil that could come into contact with the pumped liquid.
The pump is sealed by a mechanical seal consisting of a spring-loaded carbon ring and a ceramic counter ring. A hollow inspection chamber allows the proper functioning of the shaft seal to be checked without dismantling the pump!
Equipped with an electronic control system (MD-Electronic): this ensures that the pump always runs in the correct direction, phase failure protection and undervoltage protection.
The metal handle makes it possible to carry the pump with 2 persons.
Finally, all parts of the pump are easily accessible for cleaning and repair thanks to its modular design.
Can be connected to a power group.

Applications: Suitable for pumping water that also contains slate, sand and other impurities. Even pumping of mineral oil/water mixtures is possible without problems.
The pumps must not be used in explosive zones or for pumping flammable liquids.

Flow rate
- 1350 l/min - 0 m delivery height
- 1200 l/min - 5 m delivery height

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- 950 l/min - 10 m delivery height
- 560 l/min - 15 m delivery height
- 0 l/min - 21 m delivery height

TECHNICAL SPECIFICATIONS

- Cooling of motor by pumped liquid between double jacket around motor block.
- Pressure outlet vertical to top of pump.
- Contains no oil, silicones or grease (can therefore be used in areas with stricter environmental requirements).
- Can be used horizontally or vertically.
- Plastic-coated metal carrying handle, to which tool rope can be attached.
- Easy inspection of seal: hollow inspection chamber between motor and pump casing, closed with 1/4" plug. Allows the user to check shaft sealing without dismantling the pump. This allows early intervention before water causes a short circuit in the motor.
- Protected against overheating by thermal cut-out switch (PTC thermistor) 120°C.
- Safe against dry running thanks to special mechanical seal.
- Sealing control: The pump is equipped with a moisture sensor in the motor compartment that automatically switches the pump off if moisture enters the motor compartment.
- Encapsulated motor
- Maintenance-free: no oil filling, lubrication points, or use of sealants or adjustment work required.
- Low clogging due to high mounted impeller.
- Easy cleaning and replacement of wear parts thanks to modular construction.
- Automatic direction of rotation: An automatic direction of rotation device always steers the motor in the right direction, regardless of the order in which the phases are connected.
- Built-in phase failure protection: If one of the three phases fails, the motor is automatically switched off.
- Undervoltage protection: the pump is switched off if it is connected to the wrong voltage or if the voltage of the power supply drops to a critical threshold.
- Restart protection

- Pump: single-stage centrifugal pump
- Head: max 21 m
- Maximum flow: 1350 l/min
- Speed: 2800 rpm
- Pellet passage: 10 mm
- Suction height of coarse sieve: 40 mm
- Outlet: diameter 2" 1/2
- Coupling: DSP70 at top of pump
- Temperature of pumped liquid: max 60°C
- Liquid density: of pumped liquid: max 1,1 kg/dm3
- Acidity of pumped liquid: pH 5-8
- Motor: 400V - 50 Hz - 3-phase
- Power P1: 3.3 kW
- Power P2: 2.7 kW
- Nominal current: 5.8 A
- Connection cable: Length 20m (H 07 RN-F 4 G 1.5)
- Plug: CEE 16A motor protection plug 5-pin with on/off switch IP 45
- Degree of protection IP 68 - IK08
- Material handle: Metal with plastic surrounding
- Motor housing material: Aluminium alloy DIN EN 1706, corrosion-free and seawater-resistant
- Pump housing material: PVC-U

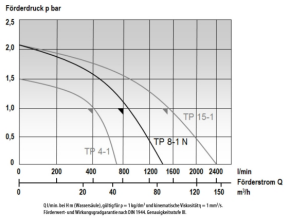
- Material rotor: Stainless steel 1.4021
- Material impeller and diffuser: cast iron DIN EN 1563
- Screw material: A2 stainless steel
- Material seals: oil resistant elastomers NBR quality
- Material shaft seal: mechanical seal carbon ring and ceramic counter ring
- Material strainer: stainless steel
- Material base plate: Aluminium alloy DIN EN 1706, corrosion-free and seawater-resistant
- Noise level: < 70 dB(A) at 1m
- Dimensions Dia230 x B240 x H490 mm
- Weight: 32 kg
- Standard: DIN 14425

ACCESSORIES

- 99000534: Working rope 15m with musketoon
- 99057037: Bend protector
- 99021029: Cable Reel DPI800
- 99012549: Carrying and protection basket







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