

ref. 99045396

SUBMERSIBLE PUMP DPI400

DOMPELPOMPEN MAST

Height of discharge: max 15m
Maximum flow rate: 780 l/min
Grain diameter: 8mm
Coupling: DSP70
Motor: 220V - 50 Hz - 1-phase
Power P1: 1.8 kW
Maintenance-free, Dry-running protection and Flat suction

DESCRIPTION
Extremely robust submersible pump from Mast, the TP 4-1 (DPI400).
This submersible pump is driven by a watertight electric motor. Due to the clever design, it is cooled by the press water. It can be used both vertically and horizontally.
It is also perfectly suitable for pumping drinking water or other liquids without soiling them. The pump does not contain any 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 disassembling the pump!
The coarse suction sieve is removable (brings the water level up to 5 cm) to pump the last remaining water to a height of 5 mm. The suction strainer is fitted with undetachable bolts.
The metal handle makes it possible to carry the pump with 1 person.
Finally, all parts of the pump are easily accessible for cleaning and repair thanks to its modular construction.
It can be connected to the mains or to a power group.

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

Flow rate:
- 780 l/min - 0 m discharge height
- 610 l/min - 5 m discharge height

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- 400 l/min - 10 m discharge height
- 220 l/min - 12 m discharge height
- 0 l/min - 15 m discharge height

TECHNICAL SPECIFICATIONS

- Cooling of engine by pumped fluid between double jacket around engine block.
- Press outlet vertical at the top of the pump.
- Contains no oil, silicone or grease (can therefore be used in areas with more stringent environmental requirements).
- Can be used both horizontally and vertically.
- Plastic coated metal carrying handle, to which working rope can be attached.
- Simple inspection seal: Hollow inspection chamber between motor and pump housing, closed with stop 1/4". Allows the user to check the shaft seal without disassembling the pump. This allows early intervention before water causes a short circuit in the motor.
- Protected against overheating by thermal break switch (PTC thermistor) 120°C.
- Protected against dry-running thanks to special mechanical seal.
- Sealing control: The pump is fitted with a moisture sensor in the motor compartment which ensures that the pump switches off automatically if moisture enters the motor compartment.
- Encapsulated motor
- Maintenance-free: no oil filling, lubrication points, or use of sealants or adjustment works required.
- Flat-priming
- Low clogging due to high mounted impeller.
- Easy cleaning and replacement of wear parts thanks to modular construction.
- Equipped with circuit breaker, type PRCD-K (30mA), combined differential circuit breaker/isolation monitor for user protection, fixed to the cable, as equivalent to double insulation.

- Pump: Single-stage centrifugal pump
- Headway: max 15 m
- Maximum flow rate: 780 l/min
- Speed: 2800 rpm
- Grain passage: 8 mm
- Suction height coarse suction sieve: 50 mm
- Suction height small suction sieve: 5 mm
- Exhaust: diameter 2" 1/2
- Coupling: DSP70 at the top of the 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: 220V - 50 Hz - 1-phase
- Power P1: 1.8 kW
- Power P2: 1.3 kW
- Rated current: 8.5 A
- Connection cable: Length 20m, 3x 1.5mm2 Cable (H 07 RN-F 3 G 1.5)
- Plug: CE 16A - 220V - 2P + Ground (Schuko 16 A DIN 49443 IP 67)
- Degree of protection: IP68 - IK08.
- Carrying handle material: metal surrounded with plastic
- Motor housing material: Aluminium alloy DIN EN 1706, corrosion-free and seawater resistant
- Pump housing material: PVC-U
- Rotor material: stainless steel 1.4021

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- Material impeller and diffuser: cast iron DIN EN 1563
- Material screws: A2 stainless steel
- Seals material: oil-resistant elastomers NBR quality
- Shaft seal material: mechanical seal carbon ring and ceramic counter ring
- Sieve material: stainless steel
- Base plate material: Aluminium alloy DIN EN 1706, corrosion-free and seawater resistant
- Dimensions: Dia190 x B230 x H500 mm
- Weight: 20.5 kg
- Standardisation: DIN 14425

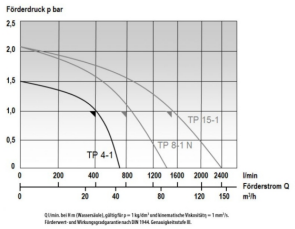
ACCESSORIES

- 99000534: Working rope 15m with musketon
- 99003414: CE-NBN transition plug
- 99057037: Bend protector
- 99012546: Cable reel DPI400
- 99012549: Carry and protective basket









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