

Submersible sewage pump

Sewage pump with an impeller and shredding device for contaminated water containing solid particles such as wood residues, animal waste, slaughterhouse waste, hides, bone fragments, etc. The pump casing is made of self-cleaning cast iron GG20, the impeller is cast iron, the shredding blades are made of ZG9Cr18 steel, and the shaft is made of 9Cr18 steel (AISI 440 B). The HART pump is part of the AQUACUP PREMIUM range, manufactured from the best and most suitable certified materials, and designed for continuous operation.

Constructional characteristics

- pump casing made of GG20 cast iron
- cast iron impeller ZG35
- cutting wheel and shredder ZG40Cr
- shaft made of stainless steel 2Cr13
- double mechanical seal in oil chamber (ceramic/carbon, silicon/silicon)
- float switch
- connection 2" – 2 1/4"

Motor

- 230 V, dry-running motor
- single-phase version with built-in capacitor
- protection IP68
- insulation class B
- thermal protection integrated in the motor winding
- speed 2800 rpm
- 10 m HO7RNF 3×1 mm² flexible cable
- maximum number of starts: 30 per hour
- sound pressure level 85 dB

Usage

- type of liquid: sewage and wastewater containing solid particles and fibers
- maximum liquid temperature: 40 °C

Applications

- pumping water from wells and pits
- pumping wastewater
- type of liquid: sewage and wastewater containing solid particles such as wood residues and animal waste (hides, bone fragments)

Technical parameters

Type	HART 1100 SQG
Power supply	230 V/50 Hz
Motor power input	1100 W
Max. flow rate (Q max)	12000 l/h
Max. head (H max)	20 m
Ingress protection	IP68
Max. liquid temperature	40 °C
Cable	10 m
Connection DN	2" - 2 1/4"
Weight	33 kg

