



4" complete submersible pump, made of ZDS hydraulic part, 2-wire single-phase encapsulated water-cooled ZDS motor and supply cable in different lengths.

Reliable, strong, easy to maintain and available in a wide range of models; it's ready to use as it doesn't require a start and run control panel.

HYDRAULIC PART

QS4P technopolymer or QS4X stainless steel ZDS hydraulic part, with floating ring technology and reinforced impeller

Great reliability with the integrated non-return valve

Special design and selected materials to ensure optimal resistance against sand and other abrasives

Improved impellers design, which requires less starting torque to the motor

TECHNICAL SPECIFICATIONS

Power range:	0,37 - 1,5 kW
Voltage range:	220-230V / 50 Hz
Voltage tolerance 50Hz from nominal:	+6% / -10% U _N
Degree of protection:	IP 68
Insulation:	Cl. F
Rated ambient temperature:	max. 35° C
Required cooling flow:	min. 8 cm/sec
Maximum quantity of suspended sand:	120 g/m ³
Maximum starts/h:	150, equally distributed
Mounting:	vertical/horizontal
Maximum immersion depth:	150 m
Allowed range of water PH:	6,4-8,0
Outlet diameter:	1" ¼ G-F - 2" G-F
Maximum delivery (Q):	15.000 l/h
Maximum head (H):	220 m

MOTOR

2 pole asynchronous 2-wire single-phase encapsulated water-cooled motor

Special and long lasting integrated start and run capacitor. In case of need it can be easily replaced.

Axial and radial water-lubricated bearings allow for maintenance-free operation

Hermetically sealed stator by 304L stainless steel flanges, internal and external casings, filled by resin to guarantee optimal cooling capacity of temperature during operation

Rotor set on Kingsbury thrust block equipped with carbon clearance ring and oscillating pads in high-strength stainless steel to sustain high axial loads

Pre-filled with non-contaminating antifreeze lubricant liquid

Sand protection to guarantee optimal operation even with sand in the borehole

Removable lead connector to make installation and maintenance easier

Supply cable according to drinking water regulations (ACS), available in different lengths

MOTOR'S PROTECTIONS

Special thermal protector, manually resettable, especially designed to ensure higher reliability and longer life



Thermal protection which stops the motor in case of overheating because of an incorrect installation



Current overload protection which protects the motor in the case the submersible pump is partially or totally blocked

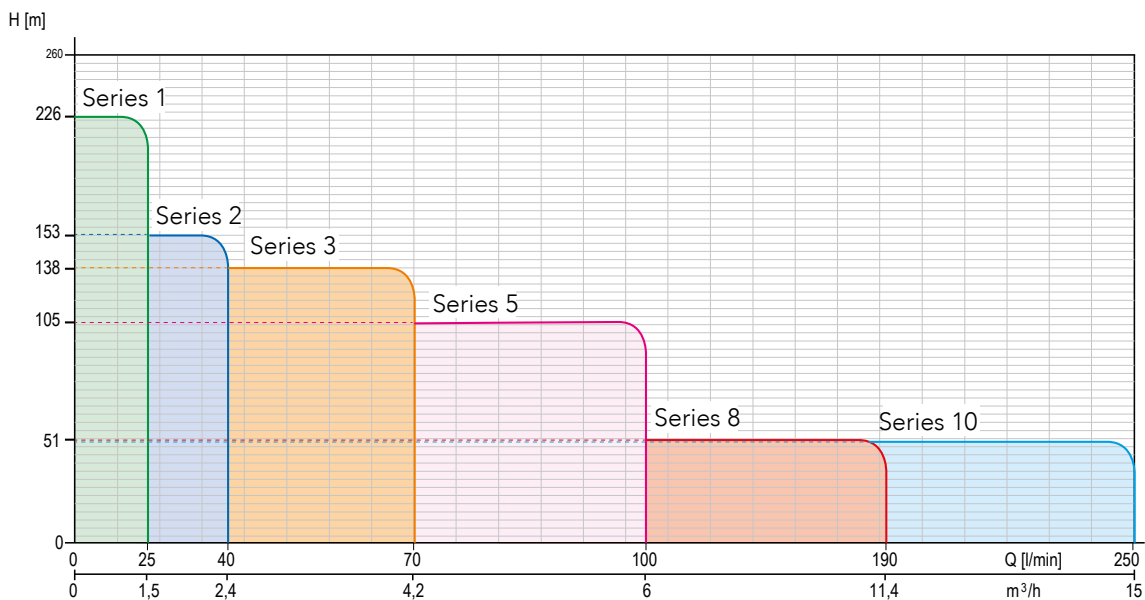
FIELDS OF APPLICATION



Submersible pump designed to be used in 4" boreholes (or larger) and tanks, for lifting, distribution, pressurization of water in the following water systems:

- Domestic • Agricultural • Industrial • Irrigation

HYDRAULIC PERFORMANCE



Series operating fields at 2850min⁻¹ • Performance limits: ISO 9906 – annex A, mass production pump section