



PUMP

Pedrollo 4SR12 submersible pumps are specifically designed for water supply from boreholes, though can also be used in other submersible applications in either vertical or horizontal configuration. They feature a hydraulic design that incorporates floating impellers which together with especially resistant component materials provide high resistance to sand content in the pumped water.

The pump impellers and diffusers are made from technopolymer while the stage casings, top housing, suction connector, pump sleeve and shaft are made of AISI 304 stainless steel. The pump is supplied with a 1.5m tail cable.

MOTOR

Pumps are coupled to a Pedrollo two pole sealed motor constructed principally from AISI 316 stainless steel. A QEM Control box is available for single phase pumps which incorporates a fused rotary switch, run indicator light, thermal overload with manual reset and capacitor which can be connected directly to the mains power supply. Three phase motors require a remote direct in-line starter and if irregular electrical supply is prevalent an additional quick tripping voltage sensing relay is recommended.

Enclosure Class : IP68

Insulation Class : F

Speed: 2900rpm

OPERATING CONDITIONS

Pumped Liquid: Thin, clean, chemically non aggressive liquids with a maximum sand content of 150gm/m³.

Max. Liquid Temperature: +30°C.

Min. Borehole Diameter: 110 mm

Max. Immersion Depth: 200m

PUMP DATA

Model	Motor		Current (A)		DN (")	Dimensions(mm)		Weight (kg)
	kW	HP	1x240V	3x415V		H1	H2	
4SR12/9	1.5	2	11	5	2	835	396	19
4SR12/14	2.2	3	15	6		1200	437	24
4SR12/19	3	4		7		1565	450	28
4SR12/25	4	5.5		9		2003	505	36
4SR12/34	5.5	7.5		12		2660	590	47
4SR12/41	7.5	10		16		3165	800	61

