

Submersible multistage pump with variable speed

Applications

Pressurising of domestic water for houses, semi-detached homes, apartments, chalets and rural homes...

Materials

Outer casing, discharge body, impellers, filter, discharge cover and motor casing in AISI 304 stainless steel.
Pump shaft in stainless steel AISI 303.
Diffusers in PPO.
Mechanical seal in aluminium oxide/graphite/steatite/NBR/AISI 304.

Motor

Asynchronous, 2 pole. IP 68 protection.
Class F insulation. Continuous operation.
Water-cooled motor.
Single-phase version with Klaxon (incorporated thermal protection).
With level switch.

Limitations

Maximum working pressure 8 bar.
Ø of solids 2 mm.
Water temperature from 4 °C to 35 °C.
Maximum start-ups: 30/hour.
Vertical or horizontal installation.

Equipment

Multistage submersible pump with electronic variable speed regulation and integrated pressure sensor for constant pressure.
Incorporating a detection and protection device against functioning in dry operation, with sequential start-up attempts in the event of failure.
Reduces the water hammer effect on the installation. Oil chamber with double mechanical seal.
You must install a pressure vessel on the discharge pipework minimum 18 ltrs.

Electronics

Advanced ESPA Speed Drive technology, enabling variable speed operation, with automatic self-regulation which maintains the constant pressure required at all times in the home, thanks to its pressure sensor.

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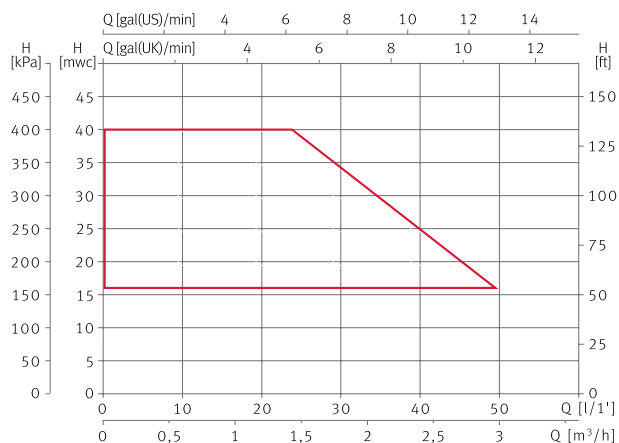


Hydraulic performance table

Model	I [A]	P1 [kW]	P2		c [μF]	l/min	0	10	20	30	40	50	1~230 V (model M)
	1~230 V	1~230 V	[kW]	[HP]		m³/h	0	0.6	1.2	1.8	2.4	3.0	Code
AcuaplusN	4.7	1	0.75	1	12	mwc	40	40	40	34.6	25.3	16.1	149285

AcuaplusN pumps are c/w Kit Press & pressure gauge
(You must fit a pressure vessel on the discharge pipework for every AcuaplusN) (Minimum size is 18 ltrs)

Performance curves at 2900 rpm (similar to acuaria 07/4)



The pump can operate at any point inside the indicated area. The characteristic curves depend on the delivery pressure. By way of example, the curves are shown for delivery pressures of 150, 200 and 300 kPa. The operating limit curve corresponds to the maximum rotating speed.

Dimensions and weights

Model	A	B	C	D	E	F	Kg
AcuaplusN	517	126	1"	170	254	175	11.5

