

SQ/SQE



SQ / SQE is a small and compact submersible multi-stage pump designed for constant pressure operation in domestic applications. The SQ / SQE features a permanent magnet motor with a micro frequency converter ensuring optimum efficiency. Soft-starting capabilities ensures a smooth and steady acceleration and the integrated protection helps prevents damage to the motor. The SQ / SQE pump is handy and user-friendly due to its low weight and 3-inch diameter. For constant pressure operation, the SQE coupled the CU300 or CU301, pressure transducer and a pressure tank is required.



FEATURES

Constant pressure operation

When using a CU300 or CU301, pressure transducer and a pressure tank with the SQNE your water pressure will always remain constant pressure regardless of how many family members are consuming water. As more taps are opened, the pump automatically increases its speed, maintaining your chosen pressure at any flow rate.

Excellent starting capabilities

The soft starter minimises the risk of wear on the pump and prevents overloading of the mains during start-up. Its soft-start system also reduces water hammering, light flickering and other electrical disturbances.

Overvoltage and undervoltage protection

The integrated protection prevents damage to the motor in case the supply voltage moves outside the permissible voltage range.

Overload protection

The SQNE eliminates the need for motor protection. If the pump is exposed to heavy load the motor will automatically reduce its speed, or if the pump is blocked it automatically stops pumping.

Over-heating protection

As an extra protection, the electronic unit has a built-in temperature sensor. When the temperature exceeds a critical limit, the pump is stopped and when the temperature has dropped, the pump automatically starts.

Protection against upthrust

The SQNE is fitted with an upthrust bearing protecting both pump and motor against upthrust, thus preventing breakdown during the critical start-up phase.

OPERATING CONDITIONS

pH values

5 to 8

Liquid temperature

0 °C to 35 °C

TECHNICAL DATA

Mains voltage

1 x 240 V, 50 Hz

Enclosure class

IP68

Insulation class

F

Installation depth

Max. 150 m below static water level

Pump diameter

74 mm

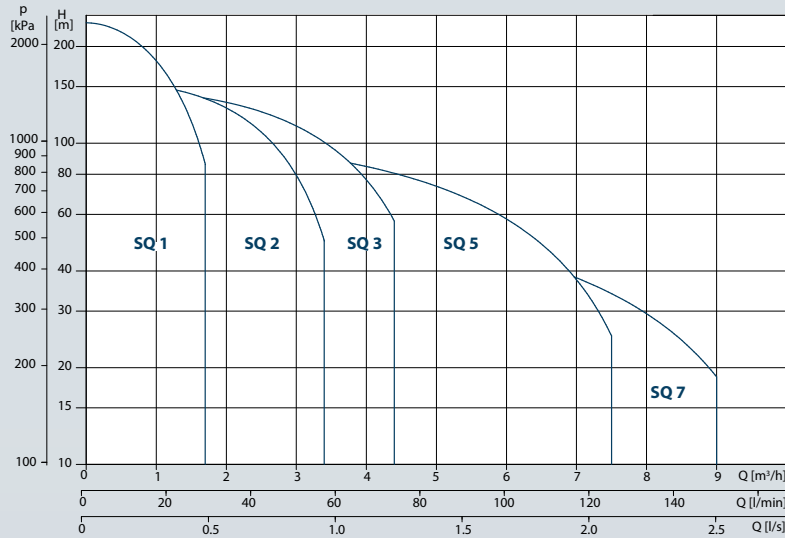
Borehole diameter

Min. 76 mm

Approvals and markings

CE, UL, cUL

PERFORMANCE



DIMENSIONS



Model	Power-P2 (kW)	Max Current (A)	Outlet	Dimensions (mm)			Weight (kg)
				A	B	C	
SQE 1-35 N	0.7	2.5	1 ¼"	741	265	74	4.7
SQE 1-50 N	0.7	3.3	1 ¼"	741	265	74	4.8
SQE 1-65 N	0.7	4.3	1 ¼"	768	592	74	4.9
SQE 1-80 N	1.15	5.1	1 ¼"	825	346	74	5.6
SQE 1-95 N	1.15	6.0	1 ¼"	825	346	74	5.6
SQE 1-110 N	1.15	7.0	1 ¼"	852	373	74	5.7
SQE 1-125 N	1.68	7.8	1 ¼"	942	427	74	6.4
SQE 1-140 N	1.68	8.6	1 ¼"	942	427	74	6.5
SQE 1-155 N	1.85	9.6	1 ¼"	969	454	74	6.7
SQE 2-35 N	0.7	3.0	1 ¼"	741	265	74	4.7
SQE 2-55 N	0.7	4.3	1 ¼"	741	265	74	4.8
SQE 2-70 N	1.15	5.5	1 ¼"	768	292	74	5.4
SQE 2-85 N	1.15	6.8	1 ¼"	825	346	74	5.5
SQE 2-100 N	1.68	8.0	1 ¼"	861	346	74	6.2
SQE 2-115 N	1.85	9.3	1 ¼"	888	373	74	6.3
SQE 3-30 N	0.7	3.0	1 ¼"	741	265	74	4.8
SQE 3-40 N	0.7	4.2	1 ¼"	741	265	74	4.8
SQE 3-55 N	1.15	5.4	1 ¼"	768	292	74	5.4
SQE 3-65 N	1.15	6.7	1 ¼"	825	346	74	6.1
SQE 3-80 N	1.68	7.8	1 ¼"	861	346	74	6.3
SQE 3-95 N	1.68	9.0	1 ¼"	888	373	74	6.4
SQE 3-105 N	1.85	10.3	1 ¼"	942	427	74	6.5
SQE 5-15 N	0.7	2.3	1 ½"	743	265	74	4.7
SQE 5-25 N	0.7	3.9	1 ½"	743	265	74	4.8
SQE 5-35 N	1.15	5.6	1 ½"	824	346	74	5.5
SQE 5-50 N	1.68	7.3	1 ½"	260	346	74	6.1
SQE 5-60 N	1.68	8.9	1 ½"	941	427	74	6.4
SQE 5-70 N	1.85	10.7	1 ½"	941	427	74	6.4
SQE 7-15 N	0.7	3.1	1 ½"	743	265	74	4.7
SQE 7-30 N	1.15	5.5	1 ½"	743	265	74	5.2
SQE 7-40 N	1.68	7.8	1 ½"	860	346	74	6.1