



### Construction

Submersible borehole pumps for 4" deep wells (DN 100 mm), with turbine impeller.

The special plastic and stainless steel hydraulic materials prevent the impeller from locking even after long stationary periods.

Thanks to special construction features, both installation and maintenance of SFM 70 are fast and easy.

Delivery port G 1.

### Applications

For 4" wells.

Pumping clean water into: detached houses, farms and cottages.

Moving water in fountains.

Rain irrigation.

Feeding pressure systems.

Filling and emptying tanks.

### Operating conditions

Water temperature up to 35 °C.

Max. sand quantity into the water: 20 g/m<sup>3</sup>.

Continuous duty.

### Motor

2-pole induction motor, 50 Hz (n = 2900 rpm).

**SFM 70:** single-phase 230 V, with thermal protector.

Incorporated capacitor.

Cable suitable for use with drinking water 3x1,5 + 1G1,5mm<sup>2</sup>.

Cable length 20 m.

Insulation class F.

Protection IP X8 (for continuous immersion)

Oil-cooled motor with compensating diaphragm.

Constructed in accordance with: EN 60335-2-41.

### Special features on request

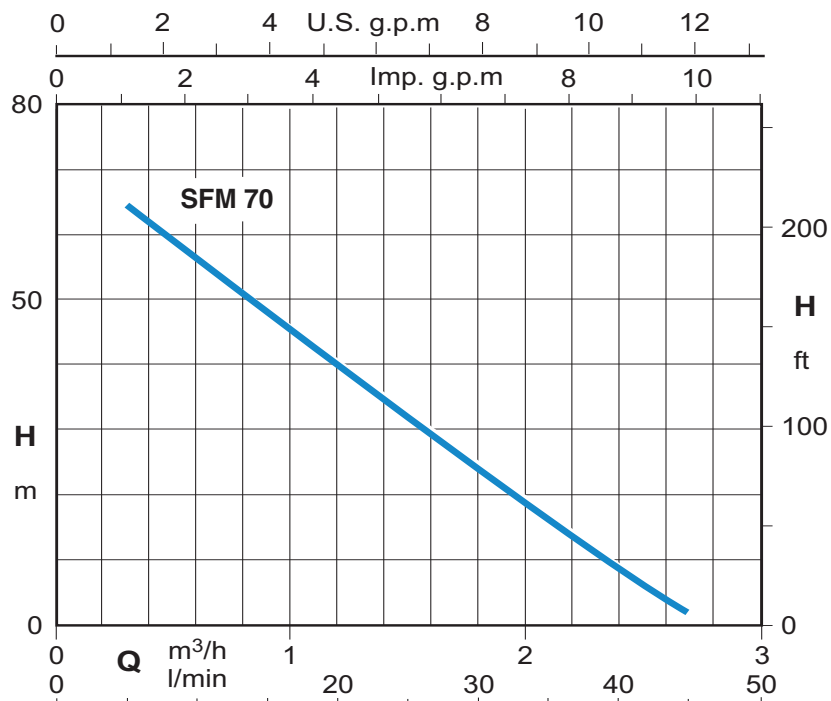
- Other voltages.

- Frequency 60 Hz (as per 60 Hz data sheet).

### Materials

Components	Materials
Delivery casing	Nylon PA66 +30% GF (brass thread inserts)
Upper plate	Ryton R4 with a shim ring
Lower plate	Stainless Steel AISI 304 Integrated
Impellers	Brass P-Cu Zn 40 Pb 2 UNI 5705
Shaft	Stainless Steel AISI 304
Shell, Filter, Locking plugs	Stainless Steel AISI 304
Screws Steel	A2

### Characteristic Curves n ≈ 2900 1/min



### Coverage chart $n \approx 2900$ 1/min

1~	230V		P <sub>1</sub>		P <sub>2</sub>		m <sup>3</sup> /h l/min	0	0,3	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7
	A	kW	kW	HP	0	5		10	15	20	20	30	35	40	45		
<b>SFM 70</b>	5,9	1,4	0,75	1	<b>H</b>	70,6	63,2	54,6	45,9	38,2	30,1	22	14,7	7,6	1,2		

P<sub>1</sub> Max. power input.

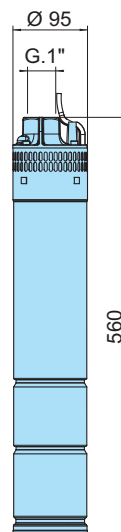
P<sub>2</sub> Rated motor power output

Tolerances according to ISO 9906, annex A.

The performance curves are based on the kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>.

### Dimensions and weights

Weight kg. 11,3



### Features

#### OPTIMIZED HYDRAULICS

The pump hydraulics are designed to ensure high performance and consistency of performance.

#### AFFIDABILITA'

Il motore in bagno d'olio garantisce un migliore effetto lubrificante aumentando la durata di tutte le parti in movimento e dei fili di rame.

#### RUBUSTNESS

The mechanical structure of the hydraulic parts in contact with the pumped liquid are dimensioned to guarantee the maximum resistance to mechanical stress.

