

## To work in installations for rain water recovery

### 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 stainless steel AISI 304.

Pump shaft in stainless steel AISI 303. Diffusers in PPO.

Mechanical seal in graphite and alumine/graphite/steatite/NBR/AISI 304.

### Motor

Asynchronous, two poles.

IP 68 protection.

Class F insulation.

Continuous operation.

Water-cooled motor.

Single-phase version with Klixon

(incorporated thermal protection).

### Limitations

Maximum working pressure 8 bar.

Ø of solids 2 mm.

Maximum 30 start-ups per hour.

Water temperature from 4 °C to 40 °C.

Motor characteristics 230 V.

Vertical installation only.

### Equipment

Submersible multistage pump with built-in pressure control and non return valve. Dry running control with four trials if no water.

Oil chamber with two mechanical seals.

Model 4: starting pressure at 2 bar.

Model 6: starting pressure at 3 bar.

You must install a pressure vessel on the discharge pipework minimum 24 ltrs.

Equipped with a suction base, with connection for a floating suction.

### Floating suction

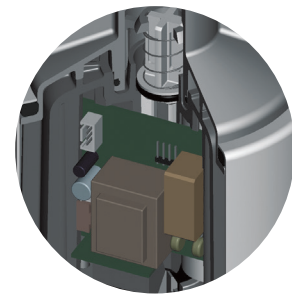
#### Equipment

IRM-floating extraction TWIST with 1 m or 2 m hose for flexible extraction of rainwater from the storage tank, pre-assembled including: 1 x 1 mm sieve with PE-floating ball prevents the pump from drawing sediments. 1 x high quality 1" check valve. 1 x special 1" rubber spiral hose prevents germs forming, length 2 m. 1 x brass 1" BSP threaded coupling as passage tank including seal. Article available also with 3 m hose.

#### Application

Rainwater harvesting for domestic and commercial use.

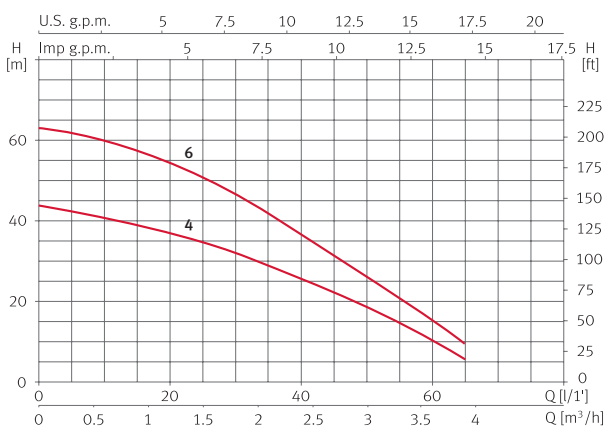
For tanks where rainwater is filtered (TWIST) or unfiltered (SAFF) prior to holding tank. To extract cleanest water, place 15 cm below water surface.



## Hydraulic performance table

Model	I [A]		P1 [kW]		P2		c [µF]	l/min m³/h	10	20	30	40	45	50	60	65	Code
	1~230 V	3~400 V	1~230 V	3~400 V	[kW]	[HP]			0.6	1.2	1.8	2.4	2.7	3.0	3.6	3.9	
Acuapres 4M N	3.5	1.7	0.8	0.8	0.5	0.75	12	mwc	41	37	32	26	22	19	10	6	157966
Acuapres 6M N	5	2	1.2	1.1	0.9	1.2	16		60	55	47	37	32	26	15	9	157972
Floating intake c/w 1 mtr hose																	4.000.610.00
Floating intake c/w 2 mtr hose																	4.000.620.00

## Performance curves at 2900 rpm



## Dimensions and weights

Model	A	B	C	[kg]
Acuapres 4M N	493	126	1"	10.6
Acuapres 6M N	560	126	1"	12.4

