

# Acuapres Pressurization



## Submersible multistage pumps, built-in pressure control

### 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.

Motor shaft in stainless steel

AISI 303+F-114.

Diffusers in PPO.

Mechanical seal in alumia oxide/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).

### Equipment

Submersible multistage pump built-in pressure control and non return valve.

With dry running control with four trials if no water.

Oil chamber with two mechanical seals.

### 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.

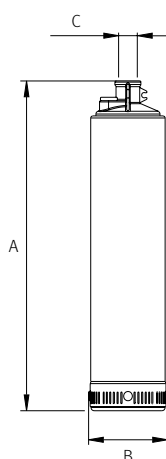
Motor characteristics 230 V.

Vertical installation only.

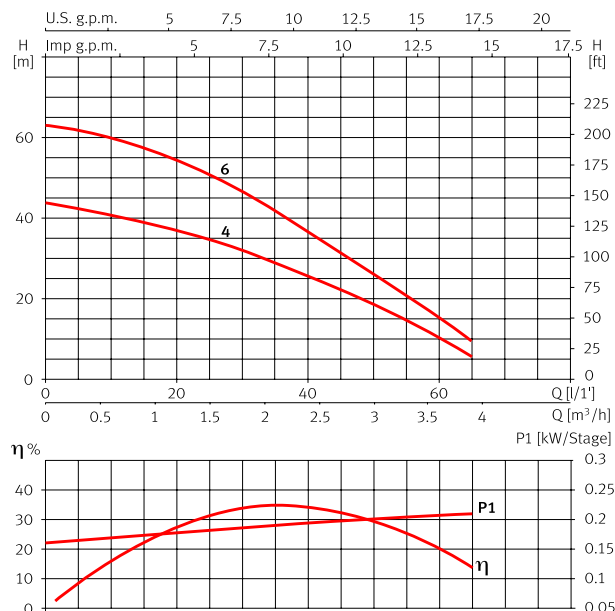


### Dimensions and weights

Model	A	B	C	kg
Acuapres 4	493	126	1"	10,6
Acuapres 6	560	126	1"	12,4



### Performance curves at 2900 rpm



### Hydraulic performance table

Model	I (A)			P1 (kW)		P2		μF	l/min m³/h	10	20	30	40	45	50	60	65
	1~ 230 V	3~ 230 V	3~ 400 V	1~	3~	(kW)	(HP)										
Acuapres 4	3,5			0,8	0,8	0,5	0,75	12	41	37	32	26	22	19	10	6	
Acuapres 6	5			1,2	1,1	0,9	1,2	16	60	55	47	37	32	26	15	9	