

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 alumina 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.

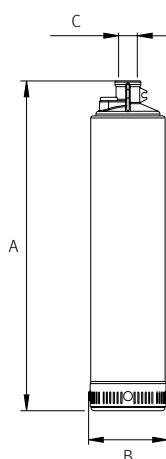
Motor characteristics 230 V.

Vertical installation only.

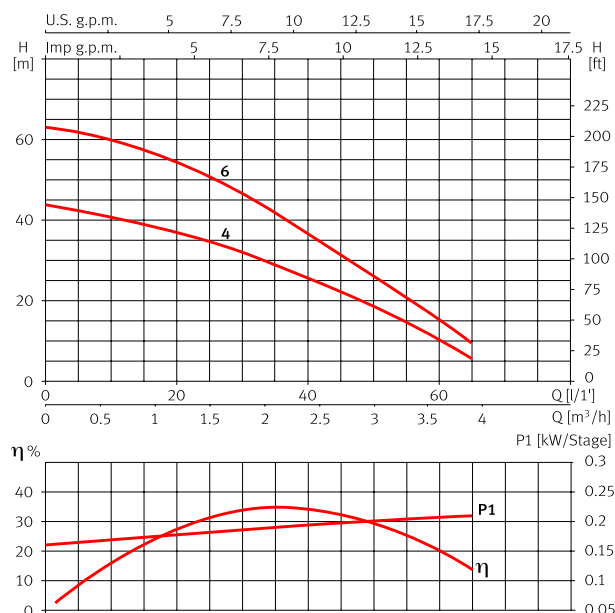


Dimensions and weights

| 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 | Flow rate | | | | | | | | | |
|------------|----------|----------|---------|-----|------|------|------|-----------|-----|-----|-----|-----|-----|----|-----|-----|---|
| | 1~ 230 V | 3~ 400 V | 1~ | 3~ | (kW) | (HP) | | l/min | 10 | 20 | 30 | 40 | 45 | 50 | 60 | 65 | |
| | | | | | | | | m³/h | 0,6 | 1,2 | 1,8 | 2,4 | 2,7 | 3 | 3,6 | 3,9 | |
| Acuapres 4 | 3,5 | | 1,7 | 0,8 | 0,8 | 0,5 | 0,75 | 12 | | 41 | 37 | 32 | 26 | 22 | 19 | 10 | 6 |
| Acuapres 6 | 5 | | 2 | 1,2 | 1,1 | 0,9 | 1,2 | 16 | | 60 | 55 | 47 | 37 | 32 | 26 | 15 | 9 |