Aquacell AE

Product page https://www.speck-neos.medienreaktor-kunden.de/en/p/aquacell-ae-p53966



Description

Die vollautomatischen Einpumpdruckerhöhungs-Anlagen sind kompakt, geräuscharm und werden anschlussfertig verdrahtet und komplett verrohrt ausgeliefert. Alle Aggregate besitzen eine vollautomatische Pumpensteuerung. Die Druckerhöhungs-Anlage ist mit einer Frequenzregelung ausgestattet.

Areas of use

Drinking water supply Industrial water supply Process water supply Air conditioning systems Irrigation and watering

Version

Aquacell A, ZL With a non-self-priming, constant-speed, multistage centrifugal pump, including dry-run protection in the inlet line above 1.0 bar. Aquacell AE The systems are automatically switched on and off by a pressure transmitter located on the discharge side. An 8-liter diaphragm pressure accumulator is installed in the discharge line as a control tank. Electronic dry-run protection is integrated. The speed is controlled by a frequency converter mounted on the motor, including an LED display and keypad. Bluetooth monitoring is available via a smartphone app. Pumped medium Clear, even moderately aggressive liquids that do not chemically or mechanically attack the pump materials. Special designs Special voltages Special elastomers Special mechanical seals Higher fluid temperatures Larger systems

Technical data

Hydraulic power

Flow rate	10 m³/h
Flow rate of standby pump	0 m³/h
Number of pumps	1 St

Motor & drive

Speed (max.)	2,850 min-1
Motor phases	3~
Degree of protection	IP 55
Insulation class	F

Electrics

Voltage (max.)	3~ 230/400 V ± 10 %
Input voltage	400 V
Frequency	50 Hz

Energy efficiency

Energy efficiency class	IE3

Operating conditions & water

Ambient temperature (min.)	40 ° C

Connections & piping

Connection, inlet / suction side	2 Rp
Connection, discharge side	1 ½ R

Dimensions & logistics

Customs tariff number	84798997

Variants

Article number	Name	Head (min.)	Operating pressure max.	Power output P_2 (max.)
5611010500	AE 10-100	87.696 – 115.228 mWS	16 bar	4 kW
5641001000	AE 10-30	24.473 – 33.651 mWS	10 bar	1.1 kW
5642001000	AE 10-40	32.631 – 44.868 mWS	10 bar	1.5 kW
5643001000	AE 10-50	40.789 – 56.084 mWS	10 bar	2.2 kW
5644001000	AE 10-60	49.966 – 67.301 mWS	10 bar	2.2 kW
5645001000	AE 10-70	60.163 – 80.558 mWS	10 bar	3 kW
5646001000	AE 10-80	68.321 – 91.774 mWS	16 bar	3 kW
5611009500	AE 10-90	77.498 – 102.991 mWS	16 bar	4 kW