AQUACELL AE

# AE 10-50

Article number 5643001000

Product page https://www.speck-neos.medienreaktor-kunden.de/en/p/ae-10-50-5643001000



## Description

The fully automatic single-pump pressure booster systems are compact, quiet, and delivered fully wired and piped. All units feature fully automatic pump control without frequency control.

## 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

## Material short text

Aquacell AE 10-50, Dr.

## Technical data

### Hydraulic power

| | |
|---|---|
| Flow rate | 10 m³/h |
| Head (min.) | 40.789 – 56.084 mWS |
| Flow rate of standby pump | 0 m³/h |
| Operating pressure max. | 10 bar |
| 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

| | |
|---|---|
| Power output $P_2$ (max.) | 2.2 kW |
| 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

| | |
|---|---|
| Net weight | 58 kg |
| Gross weight | 73 kg |
| Customs tariff number | 84798997 |