



# AquaZero 16,50

## standard chiller I open system

The Chiller is compact and easily connectet to an existing pipeline system. They are equipped with a water tank and centrifugal pump. In outlet temperatures below + 10 ° C is the use of antifreeze (glycol, 34%) required.

### Technical specifications:

#### Cooling capacity at water inlet / outlet and ambient temperature:

- **Cooling capacity:** **21.00 kW**  
15 ° C / 20 ° C supply / return, 32 ° C outside temp.
- Operating range Cold water inlet temperature: -5 ° C \* to + 15 ° C
- Operating range outside air temperature: + 5 ° C - + 42 ° C
- Refrigerant: R407C
- CO<sup>2</sup> equivalent: 8,85 t

#### Electrical data:

- Voltage: 3 x 400V/N/PE 50Hz
- Connection cable: 4m rubber cable with plug
- Power consumption 15/32 ° C: 8.00 kW
- Rated power: 10.00 kW
- Rated current: 22.0 A
- Degree of protection: IP 54
- No. Compressor / refrigeration cycle: 1/1
- Power control: 0/100%
- Setpoint constancy: +/- 1K

#### Sounds:

- Sound pressure level 5m: 68 db (A) \*\*\*
- Sound pressure level 10m: 63 db (A) \*\*\*

#### Air-cooled version:

- Air flow: 11.000 m<sup>3</sup> / h
- Water tank capacity: 270 liters
- Pump pressure: 3.6 bar
- Water volume flow: 3.60 m<sup>3</sup> / h
- Pipe connection: Rp 1-1/2" external thread
- Bypass valve with pressure gauge: included
- Dirt trap in the cooling circuit: included
- Float switch f. Wassermangelvoralarm: i ncluded

#### Dimensions:

- Length: 1.450 mm
- Width: 900 mm
- Height of floor space: 1.970 mm
- Footprint: 1.3 m<sup>2</sup>
- Housing: steel sheets, powder-coated
- Weight, unfilled: 500 kg
- Weight, filled: 770 kg

Danger! Note that when used with water, an inhibitor is added which protects the system parts against corrosion. When operating with water there is a risk of freezing, that is why we recommend to use food save glycol as antifreeze. This already contains the Inhibitor. The mixing ratio should be 34% glycol to 66% water.

All other liquids or additives are not permitted!

\* without condensation protection!

\*\* according to F-Gas Ordinance No. 517 / 20141.1.2015

\*\*\* 1 m distance in free field and 1.2 m height (according to DIN) (tol +/- 1db (A))