



## COMBI

**Item Number 3004146**

The COMBI condensate pump is designed for systems from 6 000 BTU/h (1.75kW) up to 120 000 BTU/h (35kW). The digital water sensor, the universal voltage range and the individually configurable flow rate are features that help make the COMBI the most powerful and quietest air conditioning condensate pump on the market today. The variable range of applications allows the trade as well as the installer to cover almost all needs with only one pump.

- Universal use due to wide range of applications
- Warranty period starts only after commissioning (readable via USB)
- 11 gallon pumping capacity per hour
- 65 ft delivery head
- <19 dB noise level
- No float problems thanks to digital sensor
- Water sensor can be used horizontally or vertically
- Control of the pumping capacity according to requirements
- Spare parts available

## Technical Data

|                                    |                                                         |
|------------------------------------|---------------------------------------------------------|
| <b>Color</b>                       | grey (RAL 7040)   yellow (RAL 1023)                     |
| <b>Standards</b>                   | EN 60335-1,<br>EN 60335-2-41,<br>UL778<br>CSA C22.2 #68 |
| <b>RoHS Conformity</b>             | 1                                                       |
| <b>RoHS Conformity</b>             | Yes                                                     |
| <b>Type</b>                        | Diaphragm type                                          |
| <b>Operating Temperature Range</b> | 37.5 - 104 °F                                           |
| <b>Storage Temperature Range</b>   | -4 - 122 °F                                             |
| <b>Water Temperature Range</b>     | 41 - 77 °F                                              |

Acknowledged globally



|                              |                                                                                                                                                                                         |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Voltage</b>               | 100 - 240 VAC                                                                                                                                                                           |
| <b>Frequency</b>             | 50 / 60 Hz                                                                                                                                                                              |
| <b>Protection Class</b>      | I                                                                                                                                                                                       |
| <b>Ingression Protection</b> | IP44                                                                                                                                                                                    |
| <b>Energy Consumption</b>    | 8 W                                                                                                                                                                                     |
| <b>Cable Length</b>          | 5 ft                                                                                                                                                                                    |
| <b>Max. Flow Capacity</b>    | 11 GPH                                                                                                                                                                                  |
| <b>Max. Suction Head</b>     | 10 ft                                                                                                                                                                                   |
| <b>Max. Delivery Head</b>    | 65.6 ft                                                                                                                                                                                 |
| <b>Noise Level</b>           | 19 dB(A)                                                                                                                                                                                |
| <b>Alarm Relay</b>           | Interchangeable NO or NC, rated 250VAC, 6.3A or 28VDC, 6.3A                                                                                                                             |
| <b>Tube Diameter</b>         | 1/4 "                                                                                                                                                                                   |
| <b>Packaging</b>             | Blister                                                                                                                                                                                 |
| <b>Scope of Supply</b>       | Power cable,<br>Alarm cable,<br>Sensor cable,<br>Star tube and anti-siphon device,<br>Suction tube,<br>Vent tube,<br>Factory-installed alarm fuse,<br>Cable ties,<br>Instruction manual |

## Accessories

|         |                |                                    |
|---------|----------------|------------------------------------|
| 4678597 | IN-LINE FILTER | Filter for condensate water        |
| 4679160 | PVC-TUBE       | Plastic tube 6 mm, 30 meters, 1/4" |
| 4678741 | AQUASWITCH     | Electronic water switch, 95-254V   |
| 4678546 | AQUASWITCH-24  | Electronic water switch 24 V AC/DC |

## Spare Parts

|         |           |                        |
|---------|-----------|------------------------|
| 3004113 | COMBI-SEN | Spare sensor for COMBI |
|---------|-----------|------------------------|

**REFCO Manufacturing (US) Inc.**

66 B Industry Avenue  
Springfield MA 01104

Phone 413 739 4761  
Fax 413 733 9267

[sales@refcoswiss.com](mailto:sales@refcoswiss.com)

Certificate  
ISO 9001 / ISO 14001

*Acknowledged globally*



|         |             |                                                           |
|---------|-------------|-----------------------------------------------------------|
| 3004063 | FIL-4063/4  | Spare filter for COMBI, 4 pieces                          |
| 3004087 | KIT-4087    | Star tube with Siphon device                              |
| 4687950 | CAB-4007    | Replacement water sensor cable                            |
| 3004180 | FUS-4180/10 | Spare fuses for COMBI and GOBI II 6.3A, pack of 10 pieces |
| 3004050 | FUS-4050/10 | Spare fuse, 10 pieces                                     |
| 3004065 | HSG-4065/4  | Siphon Device, 4 pieces                                   |