

# Condensate pumps Refco



*Acknowledged globally*



HVAC/R  
Service Products



### Condensate Pump

Kondensatpumpe  
Pompe de relevage de condensats  
Pompe acqua condensa  
Bomba de condensado

7 640154 082281



#### Quiet mode:

Installer configurable pump performance using dip-switches to optimize each individual installation for the best performance and sound parameters.



#### Diagnostic LED:

Patented two color long-life LED to ensure correct initial installation and to assist in diagnostics on future service calls.



#### USB connection:

Patented access for wholesalers or installing contractors to review pump history.



#### Digital sensor:

Unique digital water level sensor with no moving parts to get stuck or clogged.



#### Universal application:

Widest application range for interior/exterior mount pumps in the market from 6,000 Btu/H to 120,000 Btu/H (1.75kW to 35kW).

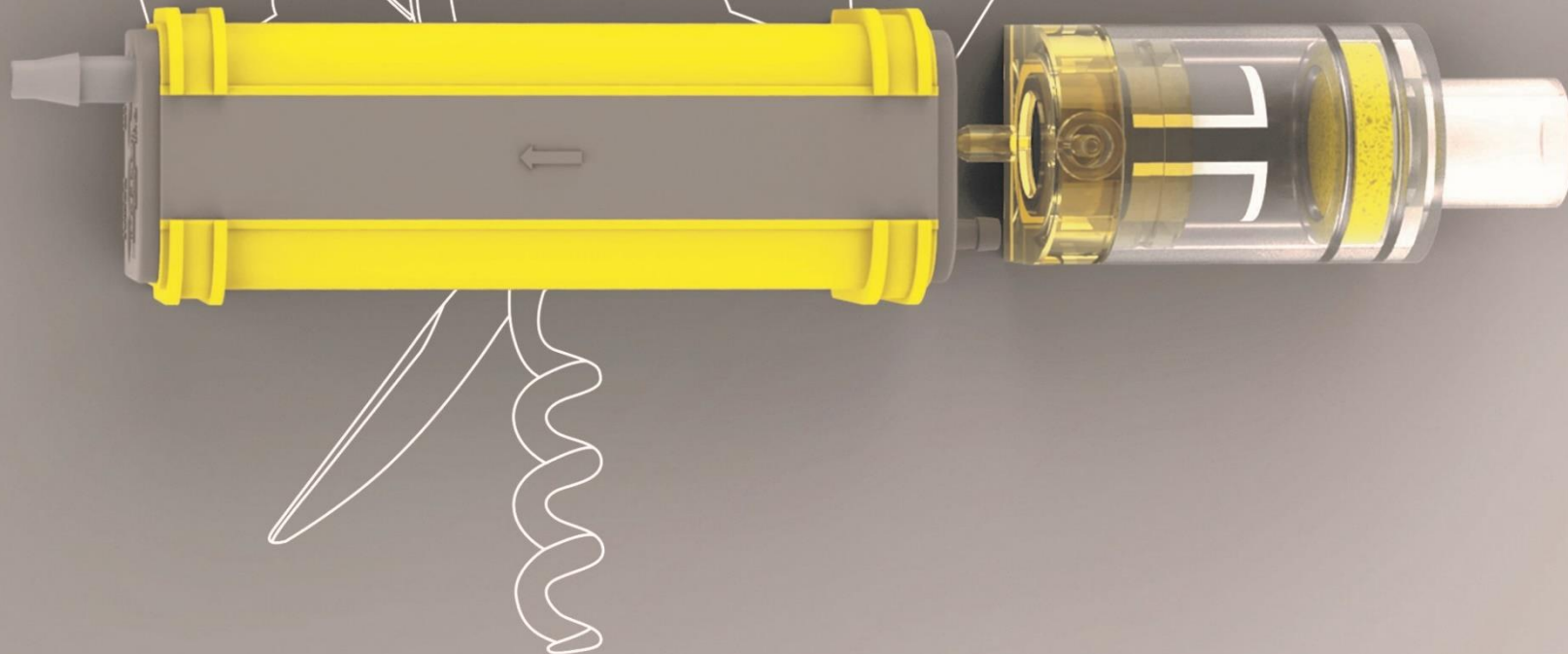


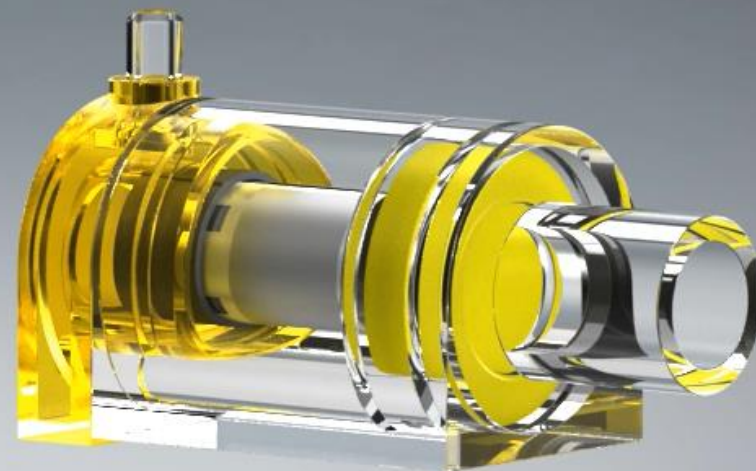
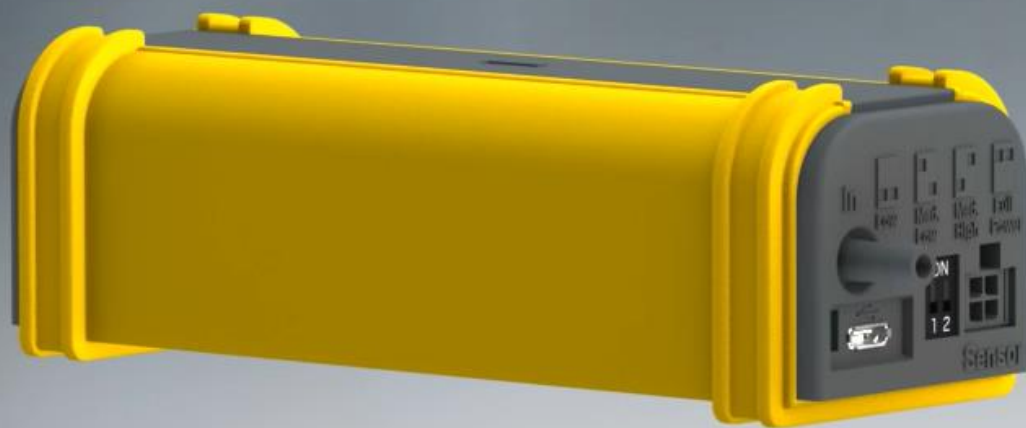
#### Integrated replaceable 10 A fuse:

Factory installed replaceable 5 × 20mm 10A fuse

# Combi: for installation inside the air conditioner

One pump  
for all applications





From small bedroom  
to large store

## Universal Condensate Pump

HVAC/R  
Service Products



Integrated replaceable  
10 A fuse  
Factory-installed replaceable  
5 × 20mm 10 A fuse



Digital sensor  
Unique digital water  
level sensor



Diagnostic LED  
Ensures correct  
initial installation and  
assists in diagnostics



USB connection  
View operational pump history



Universal  
application  
6,000 Btu/H up to  
120,000 Btu/H  
(1.75kW to 35kW)



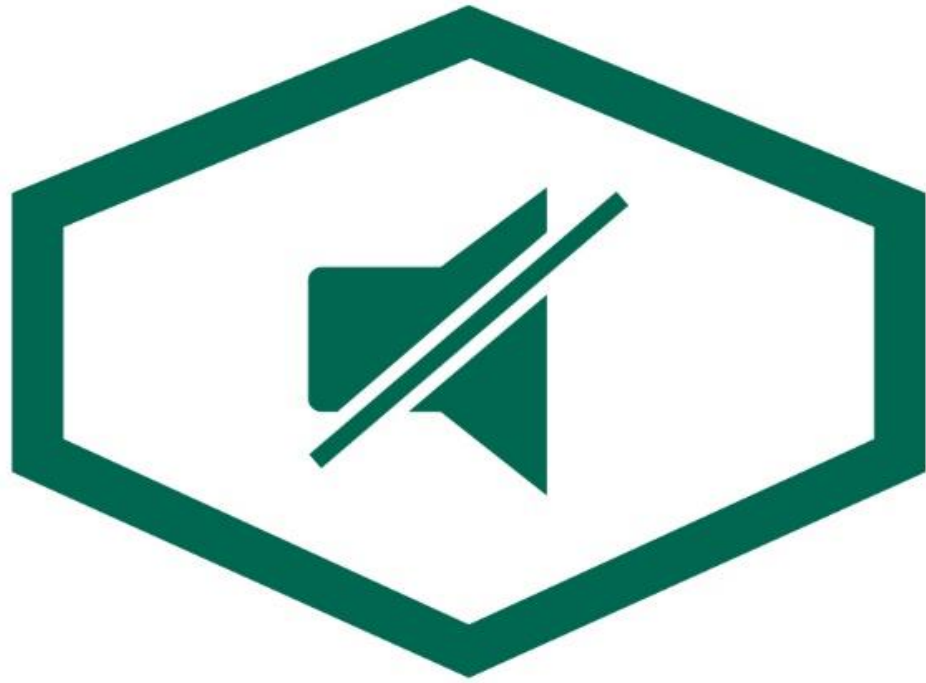
Quiet mode  
Configure pump performance  
to AC unit capacity



# Suitable for devices from 2 to 35 kW of cooling power

4 capacity modes up to 42 l/h





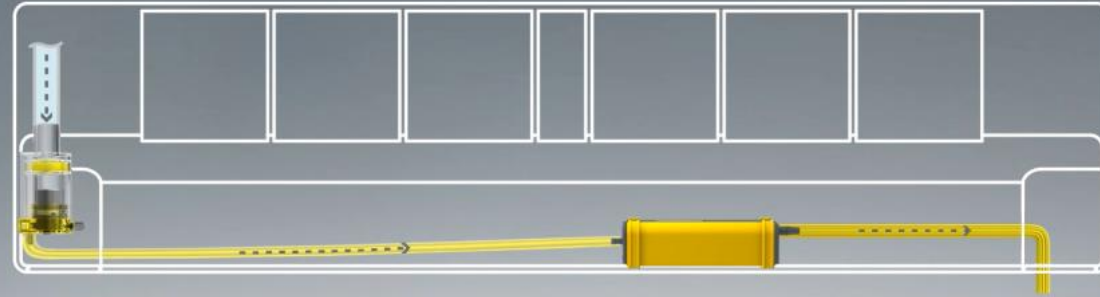
Silent operation  
below 19 dB



Float-free  
digital sensor

# Digital sensor:

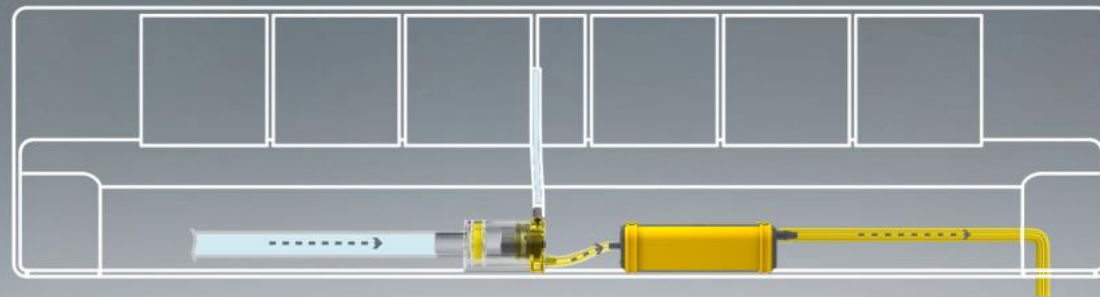
- ensures a smooth start
- allows assembling in both horizontal and vertical position
- guarantees better reliability than mechanical float sensors



Water sensor vertical and pump in the AC unit



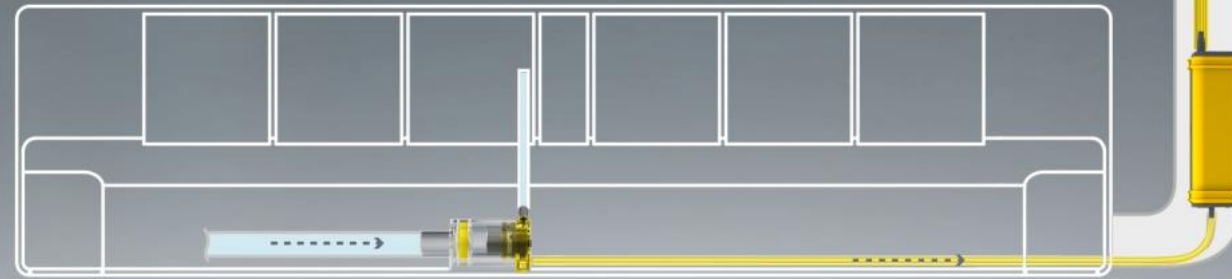
Unlimited assembly



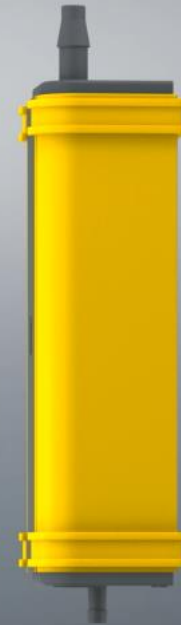
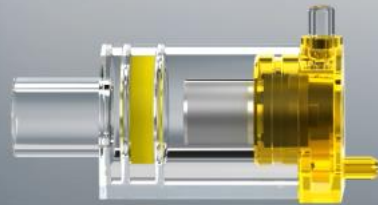
Water sensor and pump next to each other



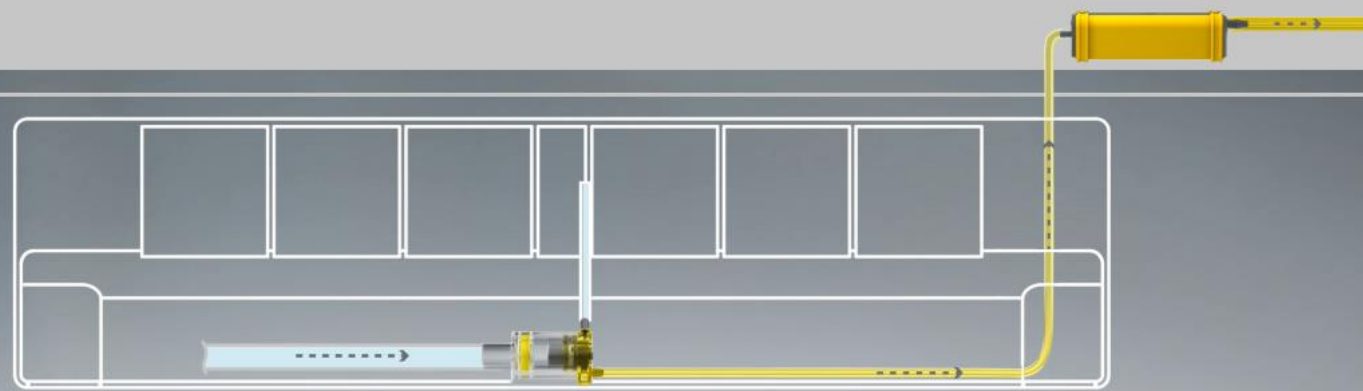
Unlimited assembly



Water sensor in the AC unit and pump outside



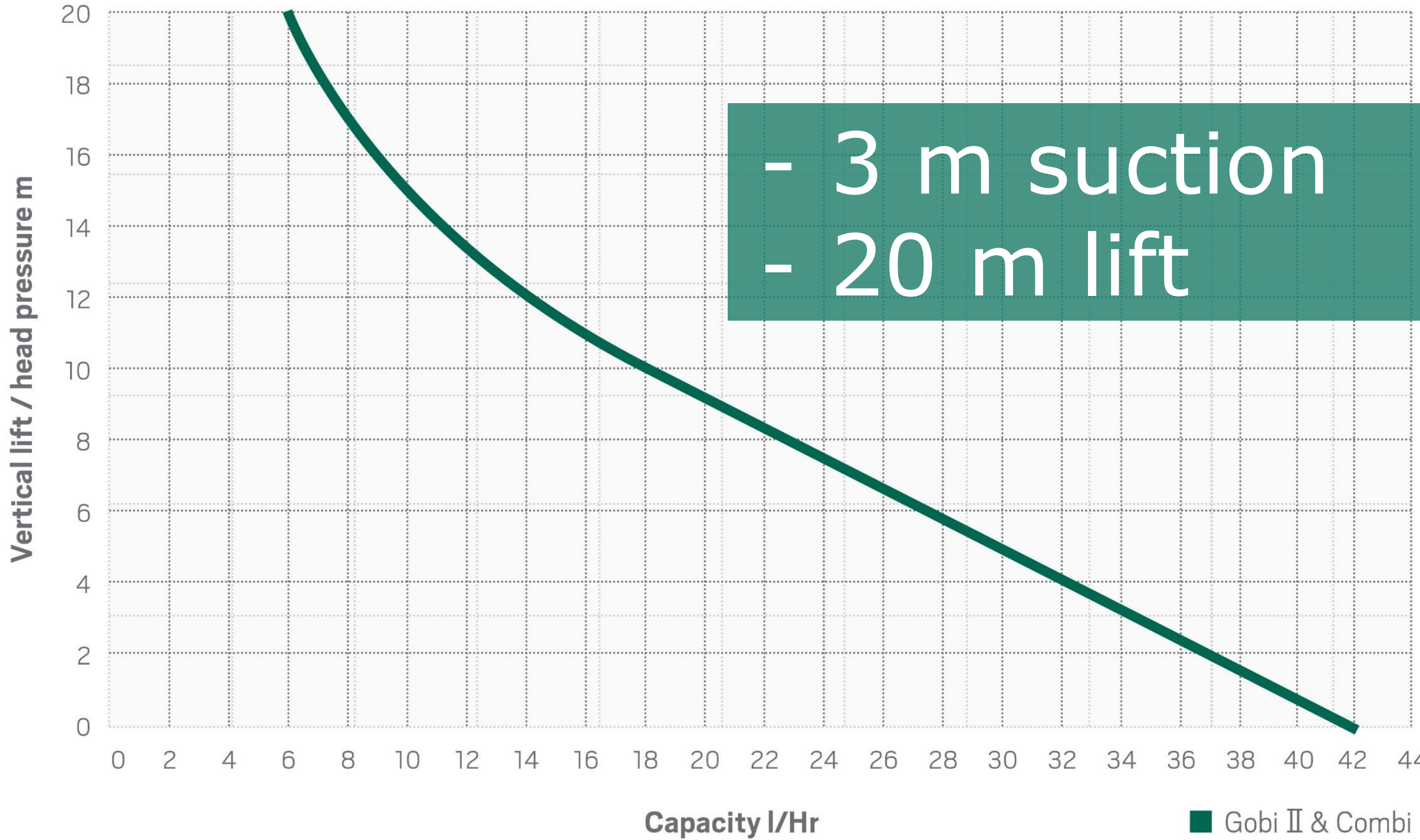
Unlimited assembly



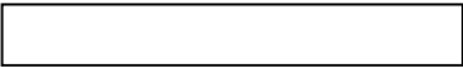
Water sensor in the AC unit, pump in the ceiling



Unlimited assembly



## LED indications in operation

|    |                                         |                                                                                     |                                                                                                                          |
|----|-----------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
|    | No power                                |   | Pump is miswired or no incoming voltage. Problem with A/C system or alarm is miswired.                                   |
| Or | Start up LED sequence (default mode)    |   | Alternating red/ green flashes 5x only then stops and goes to standby mode.                                              |
|    | Start up LED sequence (peripheral mode) |   | Alternating red/ green flashes 5x only then stops and goes to standby mode.                                              |
|    | Standby mode - waiting for water        |   | Blinking green continuously.                                                                                             |
|    | Pumping water                           |   | Solid green. Running in low, med low, med high, or high power config. normal operation.                                  |
|    | High water level mode                   |   | Blinking red. Running above high water level.                                                                            |
|    | Alarm mode - relay activated            |   | Solid red. Pump cannot keep up with water input. To prevent water overflow break power to A/C until water level reduces. |
|    | Reconfigure code                        |  | Pump has had 3 extra long run cycles, reconfigure dip- switches for more capacity.                                       |

# Built-in diagnostics

# 2 year-warranty from installation

Serial Number

9K0440238

Manufactured Date (DD-MM-YYYY)

19-09-2018

Installation Date (DD-MM-YYYY)

30-01-2019

Number of Pumping Cycles (ON/OFF)

1

Total Pumping Operation Time (Minutes)

0

Number of Days Pump Cycled (Min 1x)

1

Number of ALARM Relay Activations

1

Total Time in ALARM (Minutes)

0

ALARM Relay Operation

Default

Total Powered Time (Minutes)

5

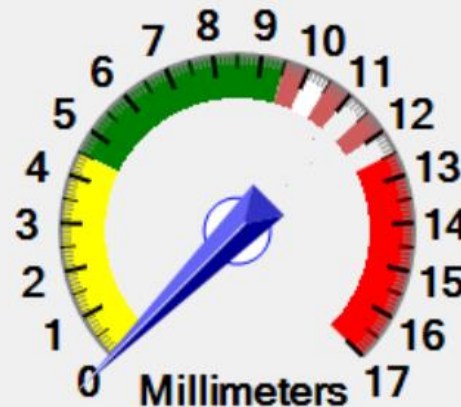
COM Port Selection

USB Serial Device (COM3)

Save To File

Current Capacity Settings

LOW (1 = OFF 2 = OFF)





Simplified  
claims reporting

FOR INDOOR USE ONLY /  
POUR UNE UTILISATION EN  
INTERIEUR UNIQUEMENT

NON SUBMERSIBLE

RECOGNIZED  
COMPONENT



Intertek

5012973



Made in Germany

Conforms to UL Std. C100 &  
Certified to CSA Std. C22.2 #108

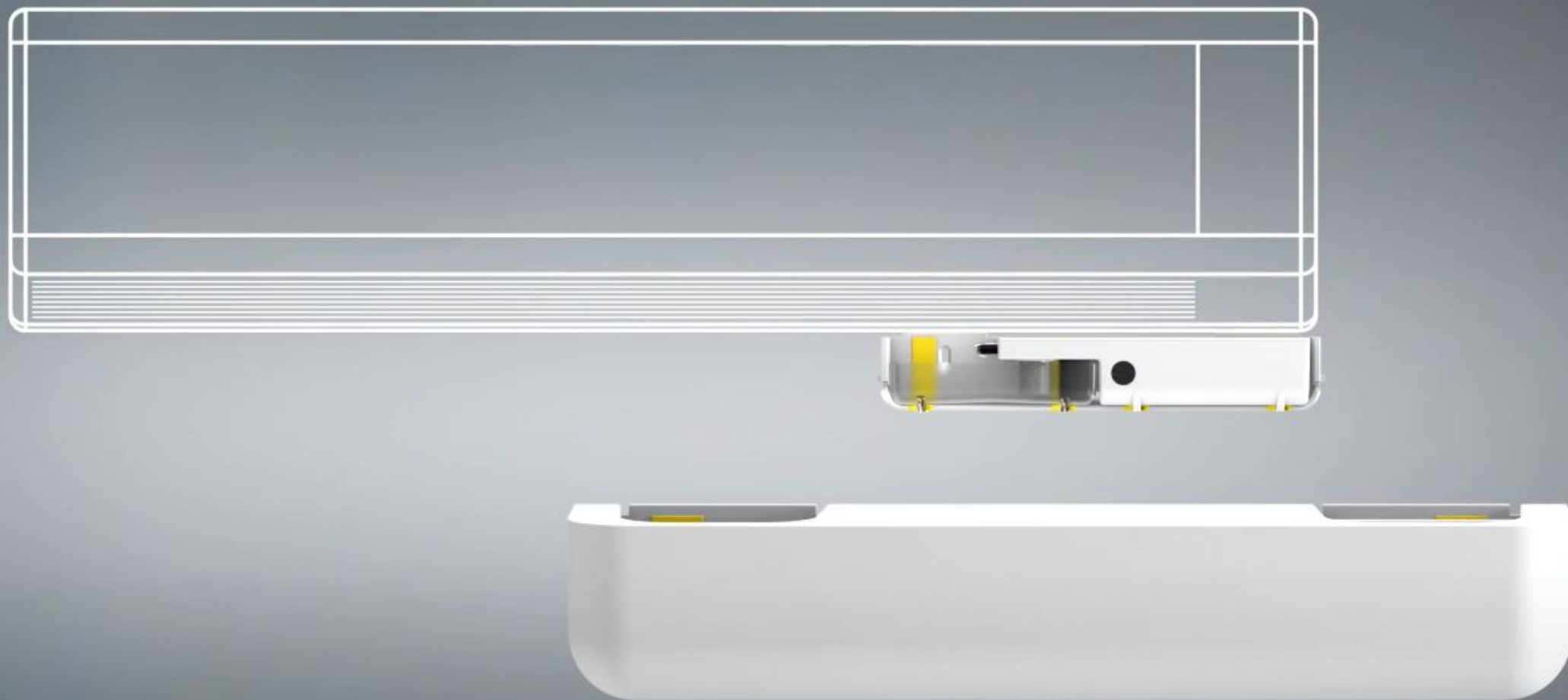
REFCO Manufacturing Ltd  
CH - 6285 Hitzkirch  
Switzerland

[www.condensate-pumps.com](http://www.condensate-pumps.com)

Made in Germany

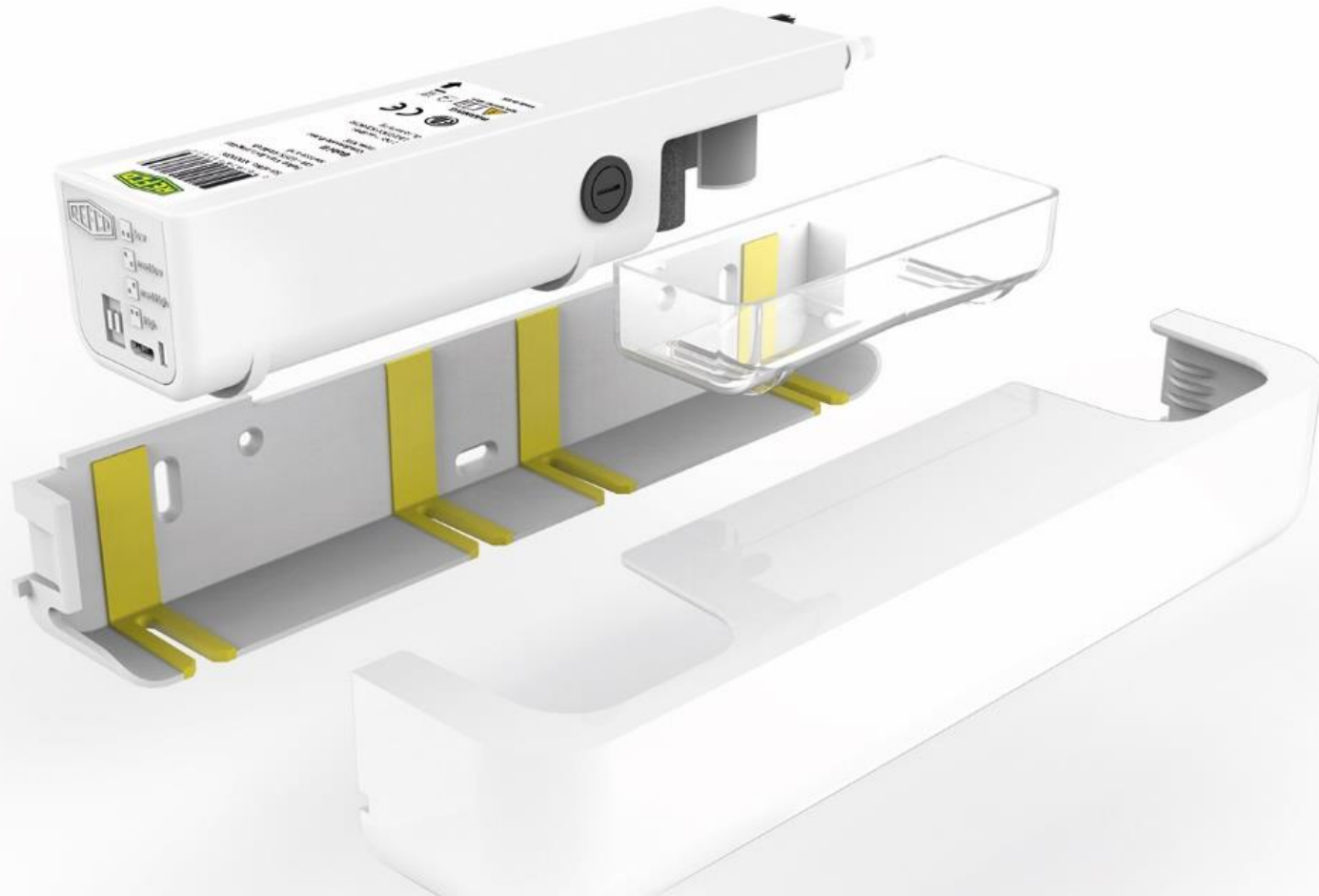


Gobi: for installation  
outside the air conditioner



Assembly underneath

The same specification as  
Combi but in different body



A yellow, rectangular electronic device, identified as a Karoo, is shown at an angle. It has a cable connected to its top right. The front of the device features several vertical slats. A green semi-transparent banner is overlaid on the right side of the device, containing white text. The device is resting on a dark, textured surface.

Karoo: for installation  
in condensate tray

A close-up photograph of a yellow refrigerant manifold gauge. The gauge has a black hose connected to its left side, with the number '105' visible on the hose. To the right of the hose is a white plastic plug. The background is dark and textured. A green semi-transparent banner is overlaid on the right side of the image, containing white text.

Dedicated to fan-coils  
and duct air conditioners



Easy installation  
in drip tray

A close-up photograph of a yellow, ruggedized level tool. The tool has a central rectangular window revealing a digital display with several horizontal bars. On the left and right sides of this window are two black, cylindrical adjustment knobs. Above the display, there is a white label with a green border, featuring a barcode and the text 'Serial-No.' and '4M'. A green semi-transparent banner with white text is overlaid across the top right portion of the image.

Built-in digital sensor

120/240V  
Auto sensing

Max water temp 25°C

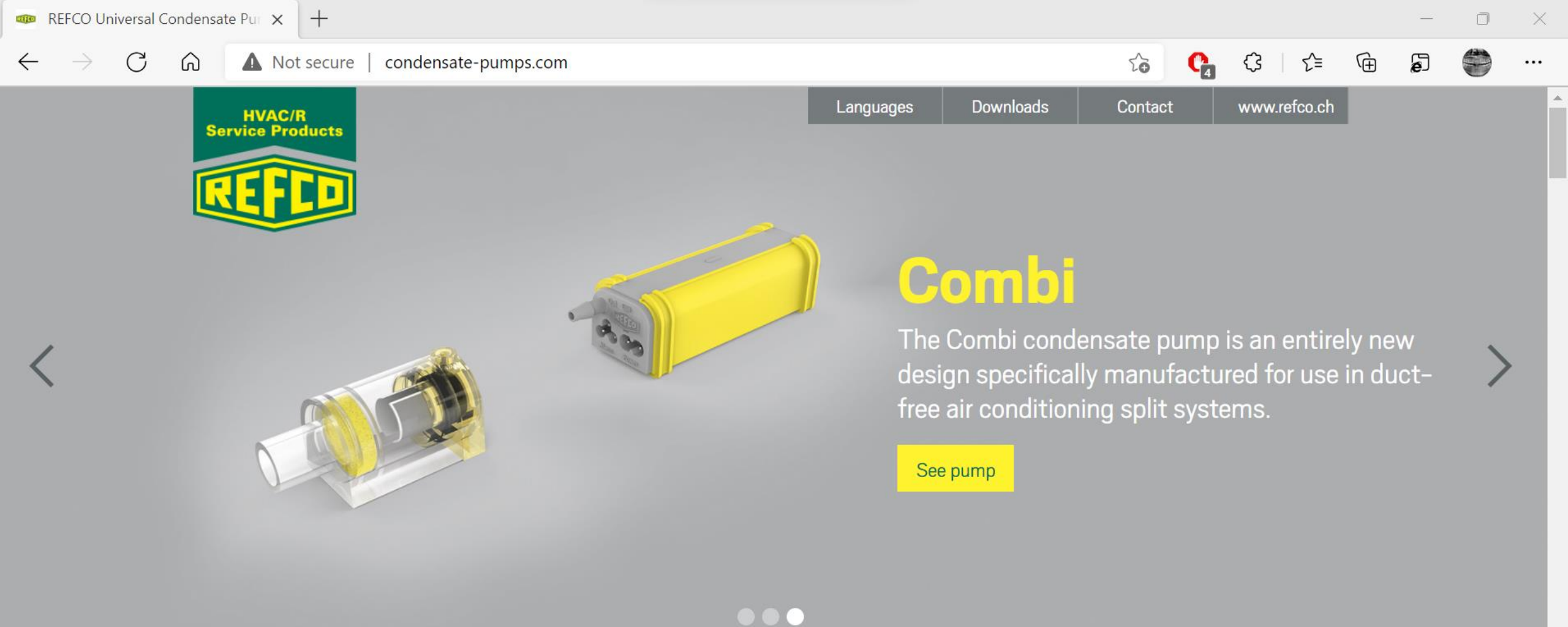


REFCO Manufacturing L  
CH - 6285 Hitzkirch  
Switzerland



SWISS MADE

Swiss made



Dedicated website:  
condensate-pumps.com