



HUMIDIFIER

USER

MANUAL

Architecture and parts specification

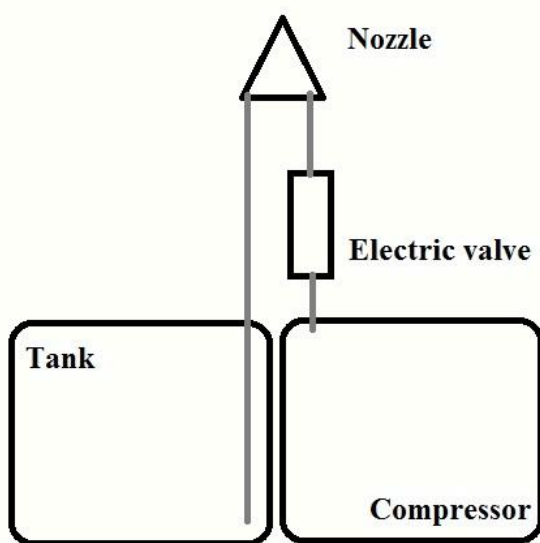


Figure 1

Compressor

Producer: ABAC
Name: Vento 2002
Voltage: 230/240
Power: 750
Max pressure: 8 bar
Noise level: 66 dB
Capacity of the air tank: 6 l
Dimensions: 530mmx210mmx540mm

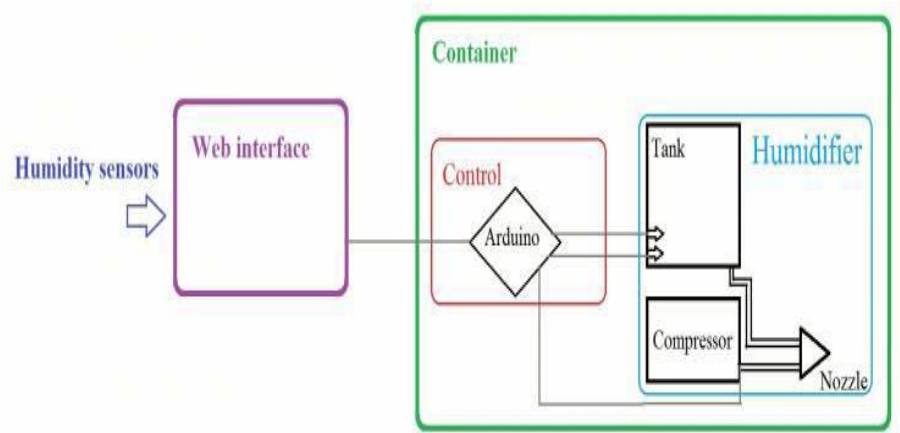


Figure 2

Nozzle

Producer: Isofluido's Lechler Nozzle

Name: 136.330.35.16

Weight: 9 kg

Q: 1,2 l/h (4bar)

Water tank:

Capacity :25 l

Compressor Electronic Box Manual switch Nozzle Water tank

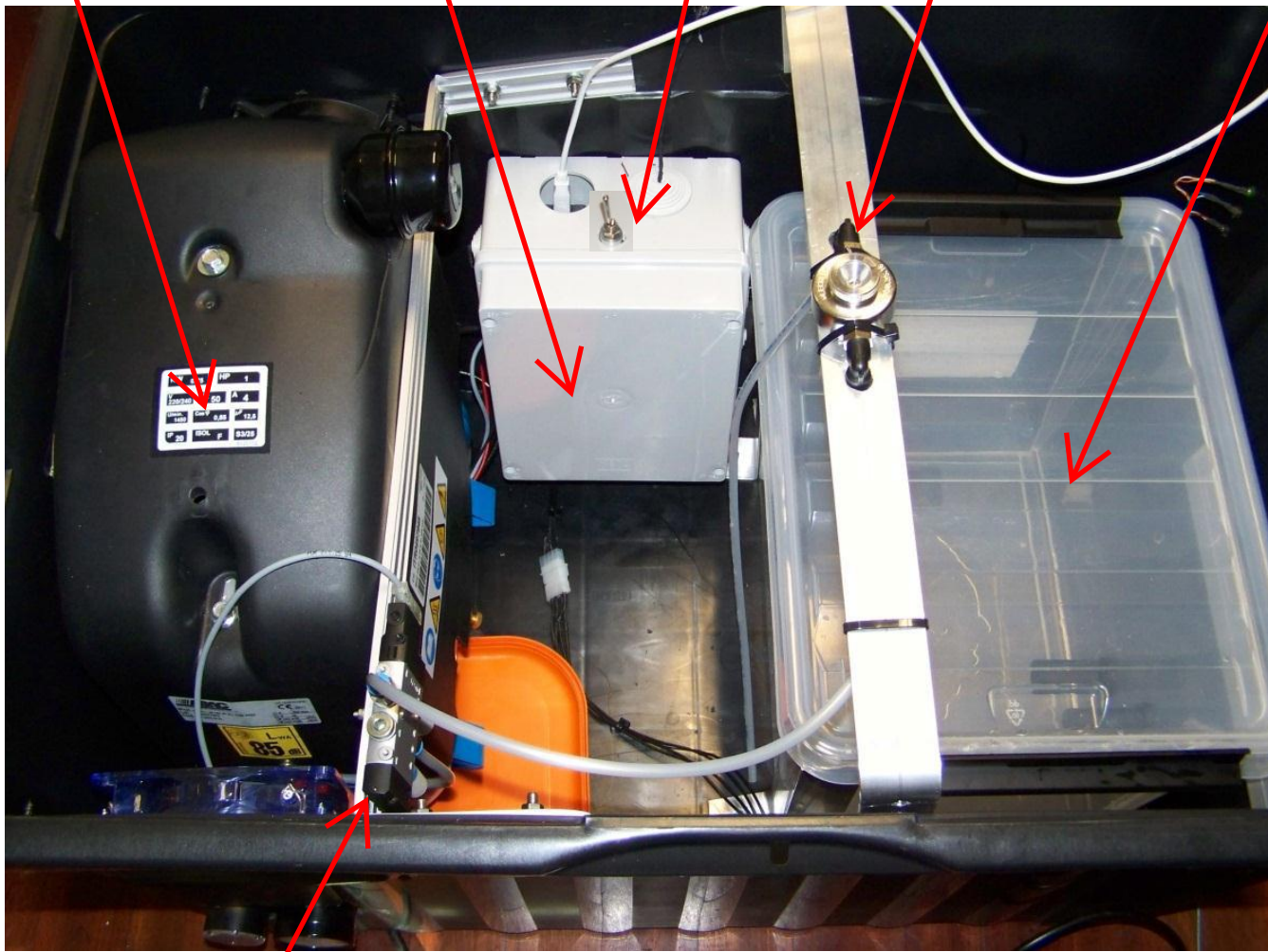


Figure 3

Electric valve

Button and LEDs

On/Off – switch on/off all parts of humidifier

LEDs information



Figure 4

Red-error with water sensor.

Red and Yellow in the same time – water tank empty. All system is stopped. You must fill up the tank.

Yellow- reserve. You should replenish water in the box

Green - internet connection

Service

Fill up the tank

Open the main cover of the humidifier. Inside is the colorless plastic box.

Open two grapples (Figure 1) and remove the cover (Figure 2). Fill up the water tank and close the tank and humidifier.

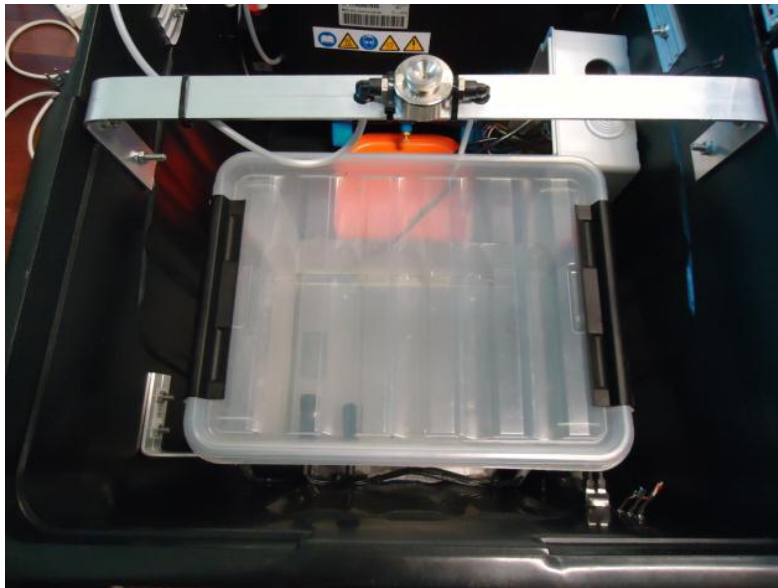


Figure 5

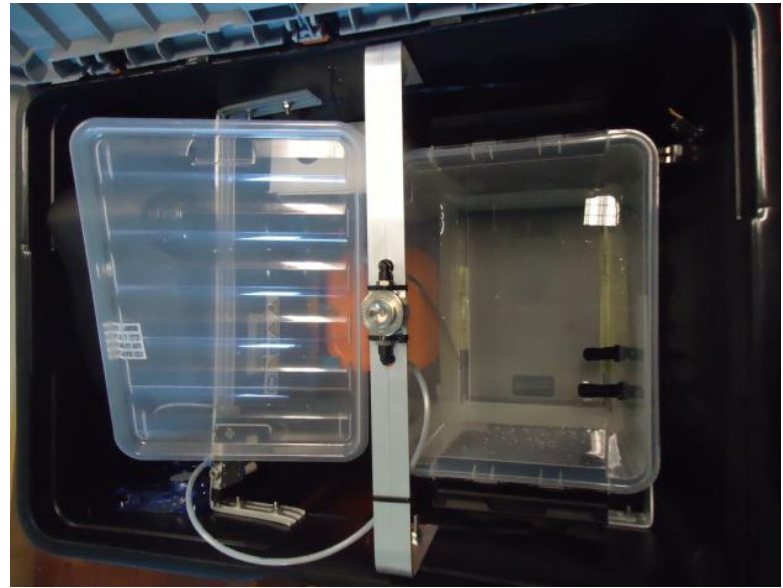


Figure 6

Emptying of air tank

In the air tank in the compressor the water can be gathered.

The water must be removed. Do it by opening the valve that is in the bottom side of the air tank. Before you do it, you must switch off the compressor or the humidifier.



Figure 7

Connecting a computer to the Arduino microcontroller.

Remove the white lid (Figure 8-9). Switch off the power supply (On/Off button) and then connect the USB cable.

The power has to be switch off if you want to connect the USB cable.



Figure 8

Figure 9

Possible problems

The compressor does not work. Probably the compressor temperature is too high and temperature protection in the compressor has worked and switched off the compressor. The compressor should be on when the temperature is correct. When you have other problems, you should switch off the compressor (red button on the Figure 10) and after a few seconds turn it on again.

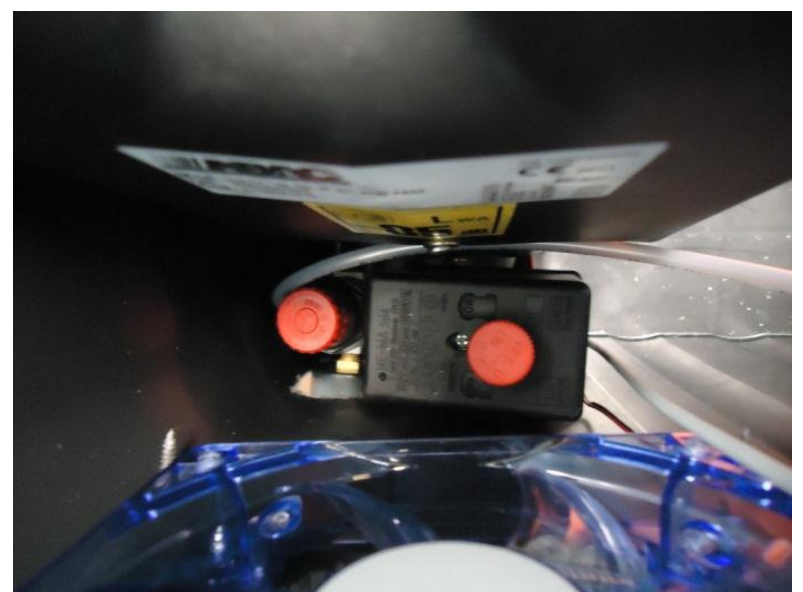


Figure 10

Red LED

Water level sensor is broken. Necessary to change it.

Schematic

Electric Connection

Here you can see (Figure 11) the order of the connections in the electronic part.

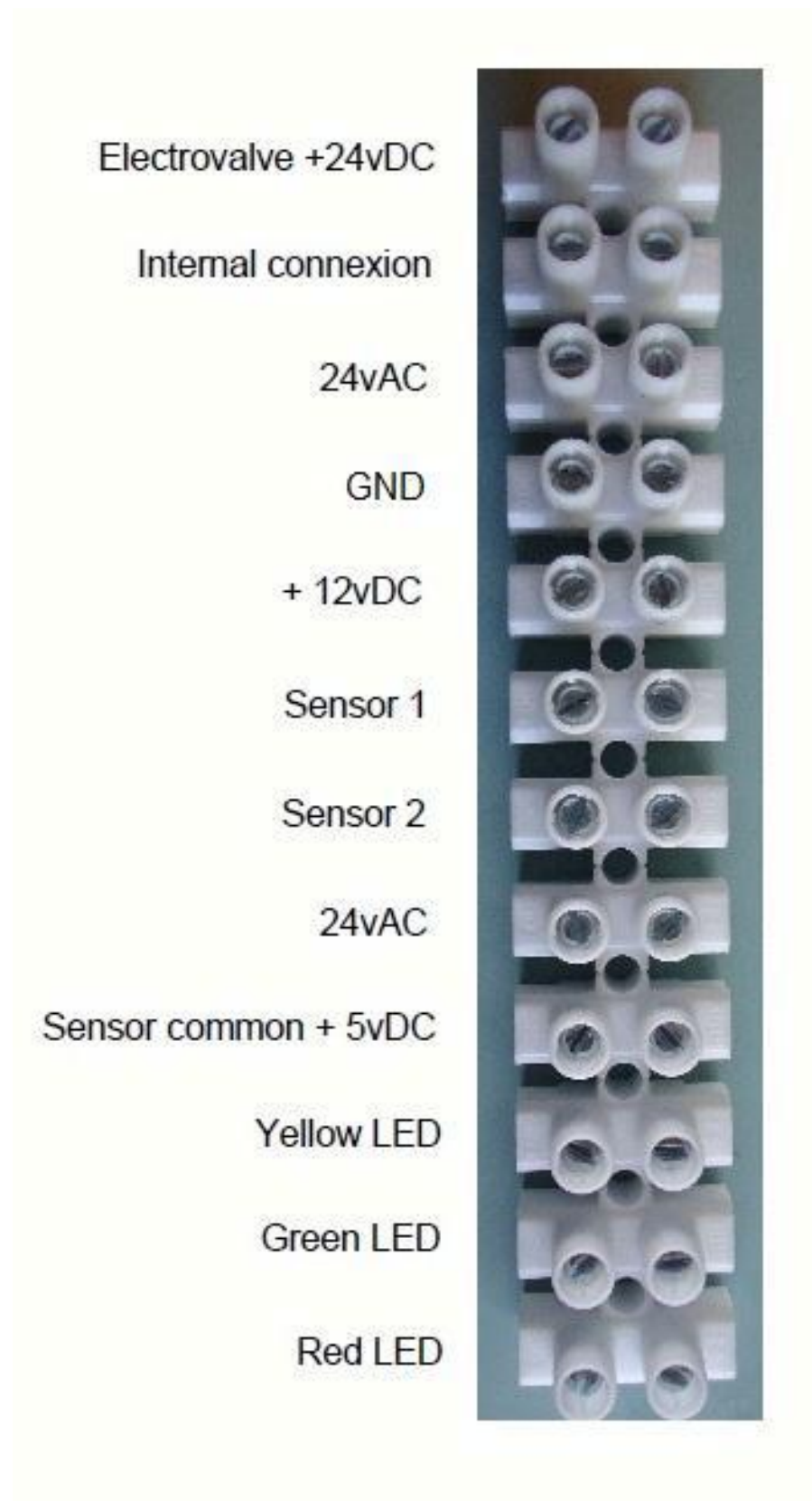


Figure 11

Manual switch

If we want humidifying without control – press the button like the picture under. The Compressor need 7mintes rest after 2 minutes working, because of the overheating.



Figure 12

Water Level

Refill the water in the tank until the marker line! (Figure 13)

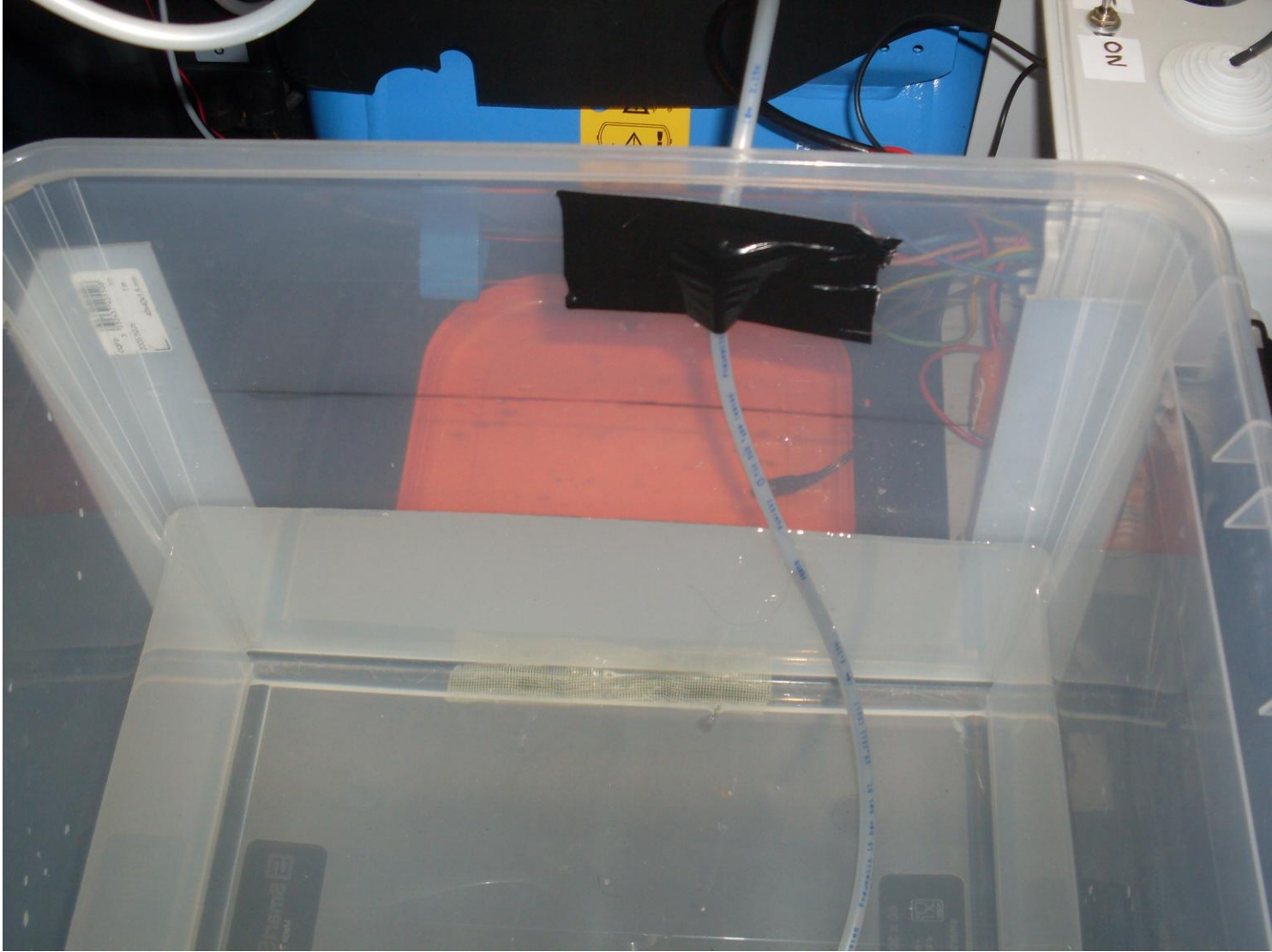


Figure 13

Group Two EPS

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