



## AIR COMPRESSOR FOR EAZYDIVE

### FEATURES AND INSTRUCTION MANUAL

|                                    | Compressor | Compressor & hookah | Compressor plugged on EAZYDIVE for inflation |
|------------------------------------|------------|---------------------|--|
| 65 l/mn (from 0 à 12 bars in 5 mn) |            |                     |  |

#### Data table of the compressor:

| Device name | Low     | Max pressure | EAZYDIVE inflation time | Maximum Time of use | Nominal tension | Maximum tension | Maximum amperage | Length of the inflating hose | Length of the electric wire | Connection on batteries |
|-------------|---------|--------------|-------------------------|---------------------|-----------------|-----------------|------------------|------------------------------|-----------------------------|-------------------------|
| 65 l/mn     | 65 l/mn | 12 b         | 5 mn                    | 60 mn               | 12 V            | 13,8 V          | 31 A             | 7,6 m                        | 2,5 m                       | Battery clamps          |

| Device name | Dimension of the compressor in its fabric bag L x l x h | Dimension of the compressor L x l x h | Weight | Thermal security | Fuse | Overpressure valve | Compressor cooling | Type of compressor             |
|-------------|---|---------------------------------------|--------|------------------|------|--------------------|--------------------|--------------------------------|
| 65 l/mn     | 35 x 25 x 22  | 35 x 14 x 18                          | 6,4 kg | No               | 40 A | No                 | Wings in aluminium | Cylinder and piston. Oil free. |

The compressor is equipped with a pressure gauge and delivered in a fabric bag with an inflation hose, adapters for inflating inflatable boats (tender, canoe, stand up paddle, etc) and spare fuse.

#### Air quality :

The compressor has an elementary air filter, only for dust, located at the side, see picture:

The compressor being oil free, filtering oil is unnecessary.

Spare filters are provided.

To check the air filter and change it: unscrew the cartridge.



The ambient air should be as pure as possible. Absolutely avoid the proximity of an engine exhaust, smoke and suspicious odors. Preferably inflate in the open air or in a ventilated place. If the intake air is of good quality, the air contained in **EAZYDIVE** will be of good quality and will easily check the standard in this matter: European Standard EN 12021. The compressor is not lubricated with oil, so there is **NO trace of oil** in the air breathed.

### **Instructions for inflation :**

Do you know how to inflate your car tires? Then you know how to inflate **EAZYDIVE**!

- Connect the compressor clamps to the battery terminals. If your battery is normally charged, you do not need to start the engine. Electric consumption of an **EAZYDIVE** inflation: 1,5 Ah.
- Connect the compressor hose onto the compressor (quick release “push-pull”).
- Connect the compressor hose onto the tire type valve at the top of the bottle.
- Push on the handle and insert the pin (lower handle position: valve open).
- Start the compressor (switch on).
- Check the manometer (pressure gauge) during inflation.
- At 12 bars, stop it. Beware not to leave it in operation once this pressure is reached.
- Remove the pin (handle in the upper position: valve closed)
- Remove the hose from the valve. It is normal that there is a slight leak before the valve shell is completely closed.
- The inflation time (about 5 mn) is indicative, they depend on the battery charge.
- If you go diving directly, don't forget to put the pin again (valve open) for the air supply of the regulator.
- Follow the **EAZYDIVE** instructions.

### **How many times can EAZYDIVE be inflated with the compressor on a boat's batteries without starting the engine ?**

The compressor will consume an average of 25 Amperes. Ampere-hour consumption is:

- During the 5 minutes tank inflation: about 1.5 Ah
- During a 60 minutes hookah dive: about 25 Ah

Most medium-sized boat batteries have a capacity of 60 to 70 Ah, but more generally 120 Ah.

So you can easily perform about 20 inflations of your **EAZYDIVE** tank or two hookah dives without worries, but everything depends on the other consumptions on-board and the state of your battery.

Caution, the primary role of the battery is to start the engine and power the on-board circuits.

If you have two 12 V batteries in parallel, common case on boats, you may prefer to:

- Isolate one of them,
- Connect the **EAZYDIVE** compressor on one of the two batteries, the second remaining in reserve.
- Reconnect both batteries together after **EAZYDIVE** use.

### **Air supply for hookah diving:**

The use is the same as for tank inflation, but clamp the hookah hose to the compressor inflation hose. Please refer to the hookah's instructions for use.

The battery consumption for a 60 mn dive is about 25 Ah.

### **Maintenance :**

The compressors require no maintenance. Store them in their bag, avoid shocks and sea water, in this case clean it with a damp sponge, never with a lot of water.

Once a year, check the air filter. If necessary, flush the hose to clean it or change it.

### **Precaution of use :**

After several consecutive refills or in hookah use, the metal parts of the compressor can be very hot. **Don't touch them with bare hands and wait until it cool down.** Grasp the compressor only by its handle.