



# SCOPREGA Turbo Max 12v For Inflatables Electric Inflator Instruction Manual

[Home](#) » [SCOPREGA](#) » SCOPREGA Turbo Max 12v For Inflatables Electric Inflator Instruction Manual 

## Contents

- [1 SCOPREGA Turbo Max 12v For Inflatables Electric Inflator](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 FUNCTIONAL DESCRIPTION](#)
- [5 FOREWORD](#)
- [6 PRELIMINARY WARNINGS](#)
- [7 INTRODUCTION](#)
- [8 TECHNICAL SPECIFICATIONS](#)
- [9 GENERAL SAFETY RULES](#)
- [10 LED INDICATORS](#)
- [11 USE AND OPERATION](#)
- [12 INFLATOR AND BATTERY STATUS MONITORING](#)
- [13 TROUBLESHOOTING](#)
  - [13.1 ASSEMBLING THE CONNECTOR](#)
- [14 Documents / Resources](#)
- [15 Related Posts](#)



**SCOPREGA Turbo Max 12v For Inflatables Electric Inflator**



## Product Information

The TURBO MAX is an electric inflator that operates on 12V or 24V. It can inflate large objects such as rafts, tents, and boats. The inflator comes with the following features:

- On-off/start switches
- Pressure adjustment knob
- Status LED
- Inflation nozzle (out)
- Deflation nozzle (in)
- Safety fuse
- Power cable with 12/24V clamps
- Inflation hose

The TURBO MAX has a maximum flow rate of 1000 liters/minute and a maximum pressure of 250 mbar.

## Product Usage Instructions

1. Ensure that the inflator is not exposed to rain or used in the presence of flammable liquids or gases.
2. Avoid accidental starting by not starting the inflator with the input nozzle in contact with dust or water.
3. Before using the inflator, check the status LED for the battery charge level and ensure that the battery voltage is within the specified range in the technical data section of the manual.
4. Connect the inflation hose to the out nozzle and turn on the inflator using the on-off/start switches to inflate an object. Use the pressure adjustment knob to set the desired pressure.
5. Connect the deflation nozzle to the in the nozzle and turn on the inflator using the on-off/start switches to deflate an object.
6. After use, turn off the inflator and disconnect the power cable from the battery. Store the inflator and its accessories in a dry and safe place.

## FUNCTIONAL DESCRIPTION



### TURBOMAX

1. MAIN SWITCHES (on-off / start)
2. PRESSURE SETTING KNOB
3. LED INDICATORS
4. DEFLATION PORT (IN)
5. INFLATION PORT (OUT)
6. SAFETY FUSE
7. CABLE WITH 12/ 24V POWER CLAMPS
8. INFLATION HOSE

## FOREWORD

Dear customer,

### **congratulations on choosing Scoprega.**

We design and manufacture products of the highest quality to meet the needs of our customers. Scoprega offers the highest quality in service as well. Our specialized departments provide support and instructions when needed, as well as comprehensive technical service.

We thank you for your trust.

## **WARNING**

Read these instructions before using the inflator. Failure to follow all the instructions listed below may result in damage to the product and/or cause serious injury to persons.

## **PRELIMINARY WARNINGS**

1. Comply with all instructions in this document.
2. Keep these instructions.
3. Do not block the air vents (SEE FIGURE ON PAGE 3).
4. Always protect the power cable.
5. Do not open the inflator. Refer all servicing to qualified service personnel authorized by Scoprega. Servicing is required when the device is damaged or not working in any way.
6. Do not tamper with the product. Opening the inflator will void its warranty.
7. Provide suitable ventilation
8. Avoid placing objects near the product during operation.
9. Keep this product out of the reach of children.
10. The operating inflator produces vibrations: therefore, we recommend you to use it on the floor, so as to avoid accidental falls.

## **INTRODUCTION**

The TURBO MAX is a high-efficiency portable electric inflator, which stands for reliability and functionality. The TURBO MAX is equipped with two powerful DC motors that drive two turbines connected in series, thus allowing any object to be inflated to a pressure between 175 and 250 mbar. The inflator is equipped with LED indicators checking pump status during operation. The inflator starts when the ON button is pressed and automatically stops when the set pressure on the knob (2) is reached. The device stops when the user presses the OFF button.

## **RECOMMENDED USES**

Large inflatable objects (rubber dinghies/tents/rafts).

## **TECHNICAL SPECIFICATIONS**

ITEM	VOLTAGE (V)	FLOW RATE (L/minute)	MAX. PRESSUR E (mbar)	POWER CONSU PTION (A)
<b>TURBO MAX 12V</b>	9.5 ÷ 14.5	1000	250	70
<b>TURBO MAX 24V/S</b>	19.5 ÷ 28.5	1000	250	35
<b>TURBO MAX KIT 12V</b>	9.5 ÷ 14.5	1000	250	70
<b>TURBO MAX KIT 24V-EV</b>	19.5 ÷ 28.5	1000	250	35

## **GENERAL SAFETY RULES**

### **1. ALWAYS TAKE INTO ACCOUNT THE WORKING ENVIRONMENT.**

Do not expose the inflator to rain. Do not use it in the presence of flammable liquids or gases.

## 2. AVOID UNINTENTIONAL STARTING.

Do not start the inflator with the inlet in contact with dust or water.

## 3. PAY ATTENTION.

Pay attention to what you are doing. Use common sense.

## 4. CHECK THAT THERE ARE NO DAMAGED PARTS.

Before using the inflator, carefully check its outer sides and components.

## 5. DO NOT OPERATE portable inflators near flammable liquids or in gaseous or explosive atmospheres. The inflator motors produce sparks that can release fumes.

## 6. DO NOT INHALE!

The compressed air coming from the inflator is not clean. Never inhale air from your inflator.

## 7. WARNING! RISK OF EXPLOSION.

Inflate the unit only complying with the manufacturer's recommendations. Exceeding the pressure rating could cause the inflator to explode, resulting in personal injury.

## 8. NEVER LEAVE THE DEVICE UNATTENDED.

Overinflation could result in serious injury and property damage.

## 9. WARNING! RISK OF UNSAFE OPERATION

Do not modify or attempt to repair the unit. Do not drill into or make any modifications to the inflator or its accessories. Any modification to the product will void its warranty.

## 10. Never carry the inflator by the flexible hose or power cable.

## LED INDICATORS

The inflator is equipped with two LED indicators (A and B) that allow the battery status and the pump temperature to be checked. LED A indicates the operating errors that have stopped the inflator operating cycle (refer to paragraph Infl ator and Battery Status Monitoring). LED B indicates the battery charging status.



## USE AND OPERATION

### ACCESSORIES AND POWER CABLES

1. TURBO MAX 12V and TURBO MAX 24V/S versions: the inflation hose, adapters, and cable with clamps are located inside the carry bag.
2. TURBO MAX KIT 12V and TURBO MAX KIT 24V-EV versions: as they are intended for a permanent installation, brackets and retaining screws are provided. The power cable is 50 cm long and is wired with a 100 A connector. The inflation hose and valve fittings are supplied only upon request.

Adapters for bayonet valves are available as an optional feature (see catalogue).

**CONNECTING THE ACCESSORIES**

1. Choose the most suitable adapter for the valve on the object to be inflated. During inflation/deflation, the valve should be kept open by a suitable adapter.
2. Make sure that the main switch is set to OFF.
3. Connect the inflation hose according to the operation to be performed: to inflate (connect to the OUT outlet), to deflate (connect to the IN outlet).
4. Insert the adapter into the valve of the object to be inflated/deflated.

**TURNING ON THE INFLATOR**

1. Connect clamps to the battery or, for KIT versions, make sure that the power connectors are properly assembled
2. Always stretch the electric cable.
3. Set the desired inflation pressure (value between 175 and 250 mbar).
4. Set the switch to ON. LED B starts flashing, indicating battery status (refer to paragraph Inflator and Battery Status Monitoring)
5. Press the START switch. LED B shifts from flashing to steady, the color depends on the battery status
6. When inflating, the inflator will stop at the set pressure and LED B will resume flashing
7. In the event of an error, the inflator stops as a protective measure. LED A lights up to indicate the type of problem (refer to paragraph Inflator and Battery Status Monitoring). Once the problem has been fixed, the inflator should be restarted by pressing START.
8. To deflate, connect the hose to the IN outlet and set the pressure setting knob to 175 bar.

**WARNING**

In case crocodile clips are used, make sure of the correct polarity (red clamp connected to battery-positive terminal). Otherwise, the inflator will not start.

**ACCESSORY WARNING**

The recommended accessories when using the inflator are the original SCOPREGA ones. The use of any accessory not recommended for this inflator can be dangerous.

**INFLATOR AND BATTERY STATUS MONITORING**

LED A	LED B	STATUS	POSSIBLE SOLUTION
OFF	OFF	OFF	
Flashing GREEN	OFF	Standby, CHARGED battery	

Flashing YELLOW	OFF	Standby LOW battery	We recommend you to charge the battery before operating.
Flashing RED	OFF	Standby LOW battery	Charge the battery
Steady GREEN	OFF	Operating CHARGE D battery	
Steady YELLOW	OFF	Operating LOW battery	We recommend you to charge the battery before operating.
Steady RED	OFF	Operating LOW battery	Charge the battery
RED flashing	RED	CYCLE END due to LOW battery	Charge the battery and then press START to restart the inflator
Flashing GREEN	RED	CYCLE END due to UNDERVOLTAGE or OVERVOLTAGE  Voltage below permitted limits	Make sure that the battery voltage complies with the values indicated in paragraph TECHNICAL FEATURES
Flashing (colour depends on the battery status)	RED flashing	CYCLE END due to OVERTEMPERATURE	Only after the LED indicators have stopped flashing can the inflator be restarted by pressing START

## WARNING

- **WARNING**

When connecting the power cable to the battery, make sure to avoid short circuits and possible fire risk

- **WARNING**

Check the voltage. Do not connect the 12V inflator to a 24V battery.

- **WARNING**

Do not leave the inflator running unattended. Overinflating an object could result in serious injury.

- **WARNING**

Always check the maximum inflation pressure to avoid risks of explosion.

## TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
The inflator does not start	Power cable not properly connected.	Connect the power cable correctly and with the right polarity (red clamp to battery positive terminal).
	Undervoltage in battery.	Check battery conditions.
	Overvoltage in battery.	Check battery conditions.
	The ON button has not been pressed.	Press the ON key.
	The safety fuse is blown.	Replace the fuse with one of the same type (40 or 70 A).
	The device is damaged	Contact a SCOPREGA service centre.
The inflator does not inflate	Hose wrong connection.	Connect the air hose to the correct port.
	Wrong pressure setting.	Correct pressure setting.
	Switch not in the START position.	Set main switches to ON and then press START.

### ONLY FOR TURBOMAX KIT 12V and TURBOMAX KIT 24V-EV

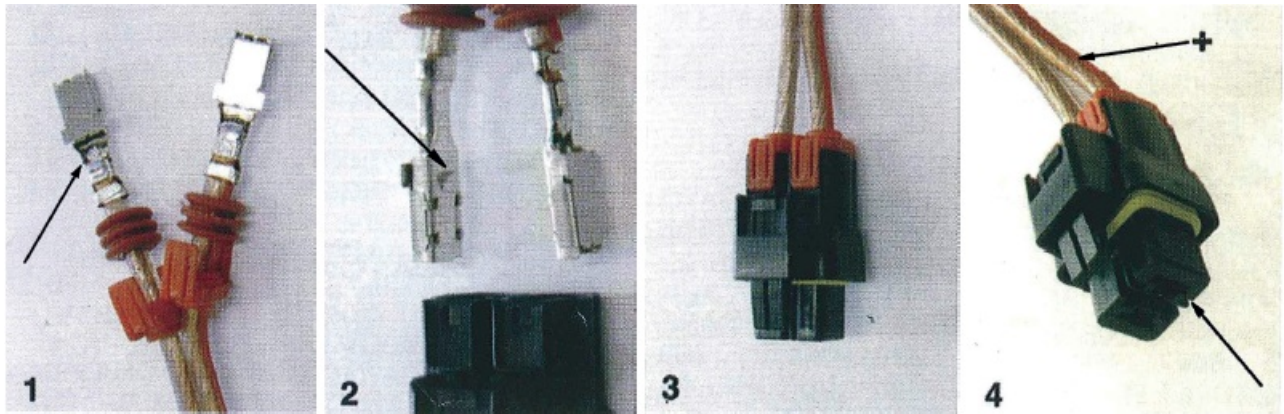
#### ASSEMBLING THE CONNECTOR

1. Put the lids and the red grommets onto the cable ends (fig. 1).

After crimping the faston, we recommend you to tin the cable end to the connector to ensure current flow (fig. 1 – arrow).



2. Insert the fastons into their seats, checking coupling tooth (fig. 2) and polarity (fig. 4).
3. Insert the grommets and the lids into their seats (fig. 3).



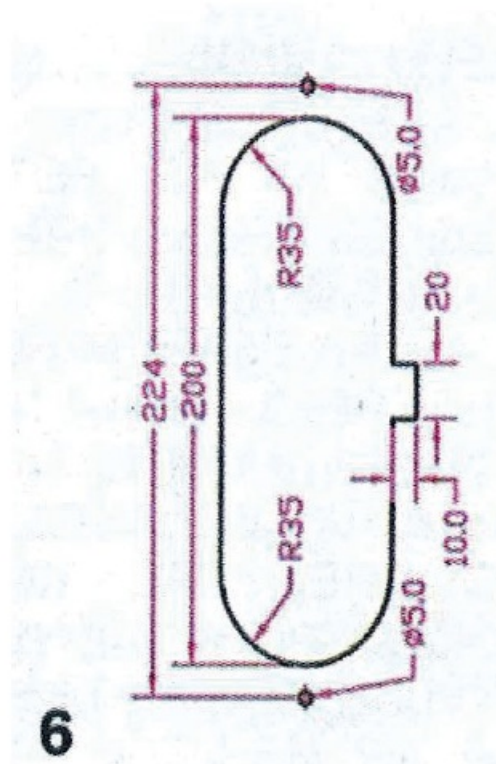
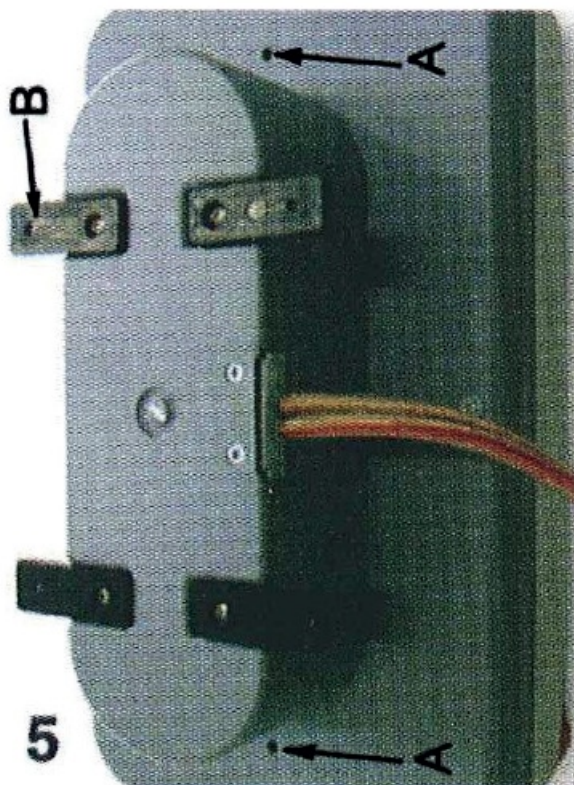
### POWER CABLE

The cable section of the on-board supply system should be suitable for its length:

4. For cable length up to 6 meters: 10 mm<sup>2</sup> section
5. For cable length from 6 to 12 meters: 16 mm<sup>2</sup> section

### FASTENING THE INFLATOR




The inflator can be fastened onto the boat by means of the supplied "B" brackets (fig. 5). Otherwise, it can be wall-mounted after drilling a hole (fig. 6), by fastening it to the "A" holes (fig. 5) by means of Ø 4.5 mm self-threading screws. The maximum screw length inside the inflator is 8 mm.



### PREPARING THE INFLATION HOSE

Cut the hose to the desired size. Insert the red fitting into one of the hose ends to connect it to the inflator. At the opposite end, insert and glue the soft PVC reduction unit. Then insert the valve fitting, taking care to select from the kit supplied the one that allows the valve to open fully.

### Documents / Resources

  <b>TURBOMAX</b>  <small>1</small>	<p><a href="#">SCOPREGA Turbo Max 12v For Inflatables Electric Inflator</a> [pdf] Instruction Manual</p> <p>Turbo Max 12v For Inflatables Electric Inflator, Max 12v For Inflatables Electric Inflator, Inflatabl es Electric Inflator, Electric Inflator, Inflator</p>
--	---