

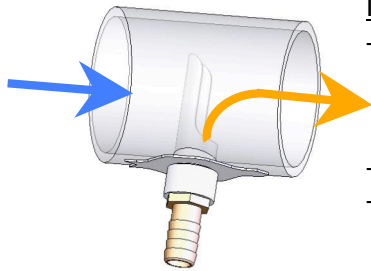
# Installation instructions for NANO-PRO

Version 3, jan 2011

## Precautions before installation :

**Please read these instructions completely before starting the installations**

Burn risk from skin contact with hot exhaust pipe : complete installation with engine cold  
Risk of cuts from sharp metal edges : use gloves, safety glasses and any other safety equipment required to protect installer during installation



## Installing the diffuser :

- Drill one Ø20mm hole in the rubber air intake in an area of low pressure, between the air filter and the engine (or before the turbo) and clamp the diffuser with 2 plastic ties (advisable vacuum : from -150mm to -300mm H<sub>2</sub>O).
- Align the arrow of the diffuser in the same direction as the intake air.
- **ATTENTION** : remove the air intake pipe before drilling and clean it well before remounting.

## Connections : Bubbler / Reactor / Diffuser :

Use the silicon hose and clamps supplied.

## Mounting reactor on the exhaust pipe :

- Put the reactor "Nano-pro" on a straight and accessible section using a metallic clamp.
- Exhaust pipe temperature should be between 250 and 350°C, loaded engine.

- **Air intake**, optional air filter for dusty conditions (ask your dealer for advice).
- Fill water here\* **WITH ENGINE OFF**

## Bubbler (translucent polypropylene) :

Dimensions : L: 200 x h: 240 x w: 150 mm, Th. 6mm  
Weight 1,2 kg empty, capacity of water : 3 Liters.

## Filling :

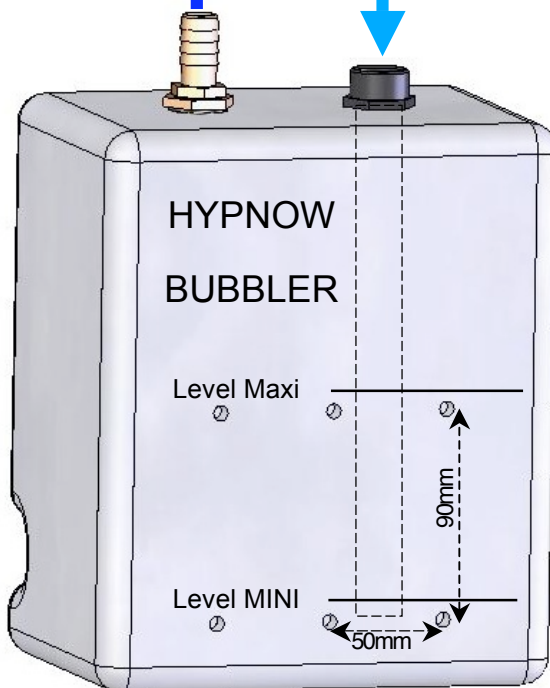
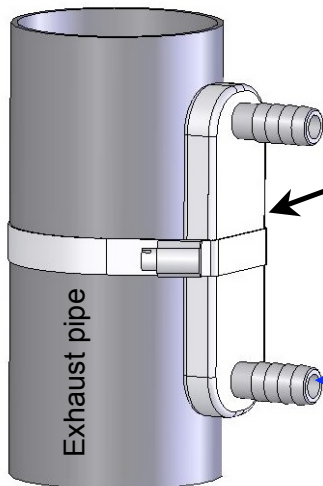
- From the top, level visible through the transparent bubbler.
- The air filter (optional) acts as a cap.
- \* Use non-calcytic, slightly acidic (pH < 6.5) clean water. Rain water works well.
- Do not use without water .

## Water heating :

- Water temperature should be between 20 and 50°C (70 and 120°F).
- Heating device (choice):
  - Bend engine coolant through the groove.
  - Mount the bubbler behind the radiator (20°C/ 70°F minimum).
  - By heating resistor (regulated power 100W, optional) to install in the bubbler bottom the water level . Voltage from 10 to 30 V dc, fuse 15A, after contact switch.

## Bubbler fixing :

- 6 blind holes Ø6,5x10 (pitch holes 50x50x90mm) front and rear for sheet metal screw Ø8 (attention : don't drill the bubbler).
- Keep the bubbler horizontal using a wall or a frame.



Your local dealer :



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