



# Cressi-sub

Riparazione e Manutenzione Erogatori

## MC9 S.C. first stage setting

- **MC9 S.C. 1<sup>st</sup> stage setting procedures, referring to the picture on page 59:**
- Connect the setting pressure gauge with one of the first stage LP ports
- Connect the whole regulator (including both 1<sup>st</sup> and 2<sup>nd</sup> stages) with a 200 bars pressurized tank, or with an equally pressurized workbench.
- *Note: although the regulator is hyper-balanced (that is, its intermediate pressure increases as the tank pressure decreases), we recommend to set the first stage at 200 bars, in order to check correctly its working. The intermediate pressure will slightly increase as the tank pressure decreases (+ 0,6 bar every 50 bars less in the tank).*
- Turn slowly the air valve on, while pressing the second stage air outlet button.
- Do so some times more.



**Cressi-sub**

Regulators repair and maintenance

## MC9 S.C. first stage setting

- Check the pressure on the gauge. MC9 S.C. first stage is correctly set at an intermediate pressure of 10 bars. If it is different, close the air valve and discharge the regulator. Use a 6 mm. Allen wrench to turn *clockwise* (+) the setting screw, in order to increase the first stage intermediate pressure. Turning it *anticlockwise* (-), the pressure will on the contrary decrease.
- Note: make sure to discharge the regulator before setting the intermediate pressure, in order to avoid incorrect reading on the gauge.
- Make sure the intermediate pressure is reached swiftly and stays so, and does not increase after pressing the second stage discharge button for more times.
- After the setting, when pressing the second stage discharge button, the first stage pressure must decrease less than 1 bar.



*Cressi-sub*

Regulators repair and maintenance

**MC9 S.C. first stage setting**





# Cressi-sub

Regulators repair and maintenance

## MC9 S.C. first stage: assembling procedures

- Only after setting correctly the first stage, the pressure transmitter plate can be inserted inside the setting screw as shown in the picture.





*Cressi-sub*

Regulators repair and maintenance

**MC9 S.C. first stage:  
assembling procedures**

After inserting the silicone seal inside the S.C. cap, connect the first stage with a pressurized tank, open the valve and start turning the disk with a compass spanner, as shown in the picture, while pressing the seal and discharging the connected second stage with every small turn of the closing disk. This will avoid the formation of any air-pocket in the first stage seal chamber, that would cause the seal to bend and the regulator to work badly.

