

INSTRUCTIONS FOR ASSEMBLY / USE OF D-D RUW301 CO2 REGULATOR SET

CONTENTS

With this D-D kit you should receive:

- 1 x Regulator with needle valve and pressure release valve.
- 1 x Low pressure gauge (0-6 BAR).
- 1 x High pressure gauge (0-100 BAR).
- 1 x Roll of PTFE tape.
- 2 x Allen Keys.



STEP 1

Correctly identify the low and high pressure gauges by looking at the pressure range written on both the box and the dial of the gauge. Incorrect fitting will result in damage to the low pressure gauge.

STEP 2

Take each gauge and wrap the threads on the brass section with PTFE tape in an anticlockwise direction applying 4-5 wraps of tape.



STEP 3

Position the regulator as shown so that the main adjustment knob is pointing towards you, the pressure release valve is to the left and the needle valve is to the right.

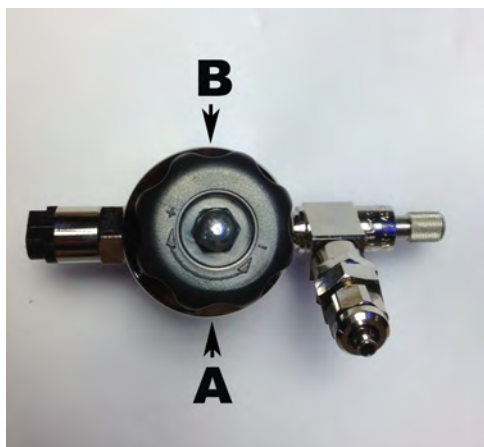
Use the 5mm Allen key to remove the blanking plug from position **B** and replace this with the **LOW PRESSURE GAUGE (0-6 BAR)**.

Repeat this operation on position **A** to fit the **HIGH PRESSURE GAUGE (0-100 BAR)**.

NOTE THAT THE PORT POSITIONS ARE ALSO MARKED ON THE UNDERNEATH OF THE REGULATOR WITH "LP" FOR LOW PRESSURE AND "HP" FOR HIGH PRESSURE AS SEEN IN THE BOTTOM IMAGE.

STEP 4

Tighten the needle valve clockwise into the body of the regulator. PTFE tape is not required for this operation as there is an O-ring inside the port on the regulator however it may also be beneficial to tape up these threads in case it is accidentally knocked and becomes loose during operation.



USE OF THE REGULATOR

Screw the black coarse adjustment valve anticlockwise so that it is fully closed.

Screw the regulator onto your refillable CO2 bottle and tighten using an appropriate spanner. No PTFE tape is required for this stage as there is an O-ring fitted.

Connect the hose from your equipment to the regulator hose tail.

With the regulator fitted, open up the valve on your refillable bottle. You will observe that the high pressure gauge will show a reading of the bottle contents. When this starts to fall it indicates that the bottle is almost empty.

Turn the black coarse adjustment valve on the regulator clockwise until the low pressure gauge reads 1-2 BAR. It is not normally necessary to set the pressure higher than this level.

Using the fine adjustment needle valve, turn this as required to set the bubble rate through your bubble counter or equipment.

For further assistance please visit our website at:

www.theaquariumsolution.com

