

### Application

Oxygen devices have to be absolutely clean from oil and grease. Also many other devices have to be kept clean. They have to be tested on air, water or other suitable liquids. This oxytester (oil-water separator) guarantees an absolute separation between reference liquid of the calibration equipment and the device under test liquid. The separator is sometimes used to prevent a tester from being contaminated by solids or liquids from gauges being calibrated.

### Description

The device under test is mounted on the 1/2" BSP stainless steel connection on the top of the separator and is connected to the interior of the viton rubber sac. The device under test and interior of the viton sac is being filled with the test liquid (water / alcohol etc.). The sac is fitted into a test chamber which is filled with oil and connected to for instance an oil deadweight tester. Bleed screws are provided to bleed air from the test liquid and from the oil. The viton sac can easily be dismantled for cleaning and replacement.

### Operating instructions

1. Open the bleed valve 1.
2. Open the bleed valve 2.
3. Fill the "red" chamber with reference pressure fluid.  
Use connection A.
4. Fill it up to the bleed valve 1 starts to bleed.
5. Close the bleed valve 1.
6. Block the pressure connection B with a plug.
7. Fill the reservoir 3 with "oil free" test fluid.
8. In case of a deadweight tester: turn the pump anti clockwise, a vacuum will occur in the rubber sac. The "oil free" test fluid will be sucked into the rubber sac (blue chamber).
9. Close the bleed valve 2 if the level stays unchanged. The rubber sac is filled.
10. Generate a little pressure with the oil pump of the dead weight tester. Then open the vent valve of the deadweight tester.
11. Open the bleed valve 2 for just a moment and look if there escapes air bubbles into chamber 3. If no bubbles escape the rubber sac is filled completely.
12. If air bubbles still escape carry out no. 8 to 11 again.
13. The tester is ready for use.

### Maintenance

The rubber sac can be easily cleaned or replaced:  
unscrew the hexagon bolt inside the pressure connection.  
Then unscrew the upper part (the part of bleed valve 2)  
from the lower part.

