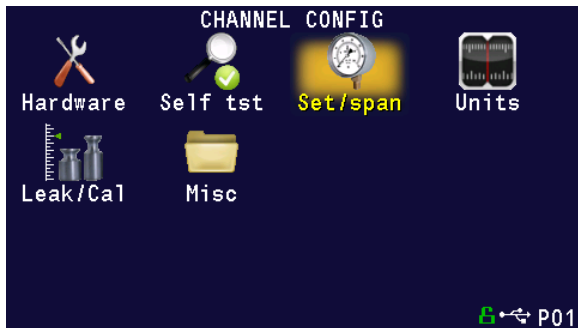


Pressure Adjustment for Mass Flow Testing

In every test, it is important to ensure that the pressure is set correctly. With mass flow this can be more challenging because there are two regulators - a pre-regulator and the test regulator. The function of the test regulator is to keep the flow of air at a constant test pressure. The purpose of the pre-regulator is to decrease the variability of pressure in the air being supplied to the test regulator.

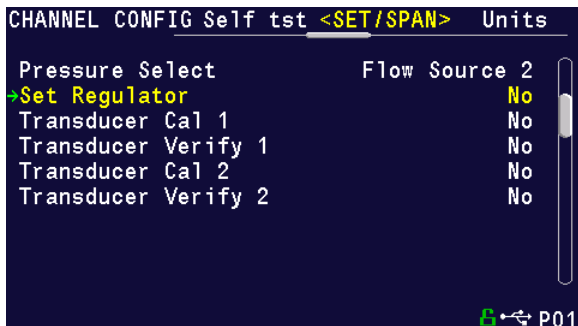
Instructions:

1.0 Navigate to the Set/Span Menu



1.1 Choose *Set Regulator*

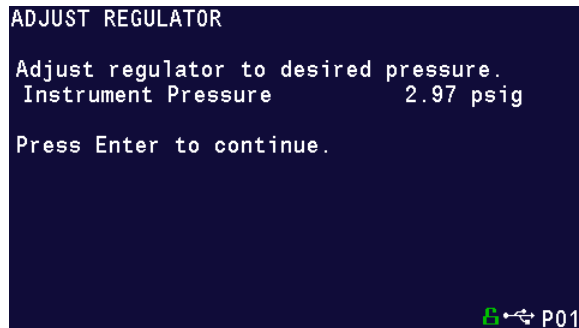
Select **Yes**



1.2 The instrument will direct you to **insert the test plug** and **press enter**.

If you have an external leak standard it is preferable to insert the leak standard at this time as you set the regulator for the mass flow test.

2.0 Adjust the Regulators



2.1 Adjust the test regulator – set the pressure very high. (If the regulators are not labeled, the test regulator will be closest to the instrument screen.)

2.1 Adjust the pre-regulator to approximately 10% above your test pressure.

2.2 Once the pre-regulator is set, **adjust the test regulator** to the test pressure and then **press enter**.

2.3 Monitor the pressure as you run trial tests. The flow during the test may be such that it causes the pressure to drop below the target pressure. If this occurs, be sure to re-adjust the regulator to account for this pressure drop.