

- 1.1 Using a blank (no hole) ferrule blank the bottom of the Optic injector, turn off the septum purge valve, replace the septum and liner 'O' ring seal.
- 1.2 Go into the Standby Menu and set the carrier gas pressure to 101 psi, and the split valve to splitless. Press 'Menu Exit' and 'Menu Enter' to activate the change.
- 1.3 In the Standby Menu go to carrier gas pressure and press 'Function', the current pressure will be displayed. Usually line pressure will be displayed if line pressure is below 101 psi. Make a note of this pressure reading i.e. 62 psi.
- 1.4 Press function to display set pressure and set the pressure to 0.0 psi, and press 'Menu Exit' followed by 'Menu Enter' to activate the change.
- 1.5 Again monitor the current pressure, go to carrier gas pressure and press 'Function'. The pressure should not have changed from that noted in 1.3. i.e. 62 psi.
- 1.6 The pressure should not change by more than 1 psi when timed over 10 minutes. If a greater drop in pressure is observed then check the following points and repeat the above procedure.
 - 1.7.1 Check the septum cap is tight and leak free.
 - 1.7.2 Check the valve is set to splitless in the standby menu.
 - 1.7.3 Using a bubble flow meter check the purge outlet for any sign of gas leakage. If a leak is seen close of the valve. In some cases it may be necessary to undo the small grub screw on the purge valve and reposition the knob so that extra turns can be used to close the valve completely.
 - 1.7.4 Using a bubble flow meter check the split and vent outlets for any sign of gas leakage. If a leak is seen then ensure the valve is set to splitless, if it is then the internal splitless valve is faulty.
 - 1.7.5 Tighten the 1/8" connections on the back of the Optic 2 control box.
 - 1.7.6 Replace the liner and liner 'O' ring.
- 1.8.1 If the leak is still present blank the Carrier Out port on the back of the optic 2 control box & repeat the above leak test.
- 1.8.2 If it is leak tight there is a leak either in the injector body or in the split line. If a leak is still seen then there is a leak internally on the electronic pressure control.