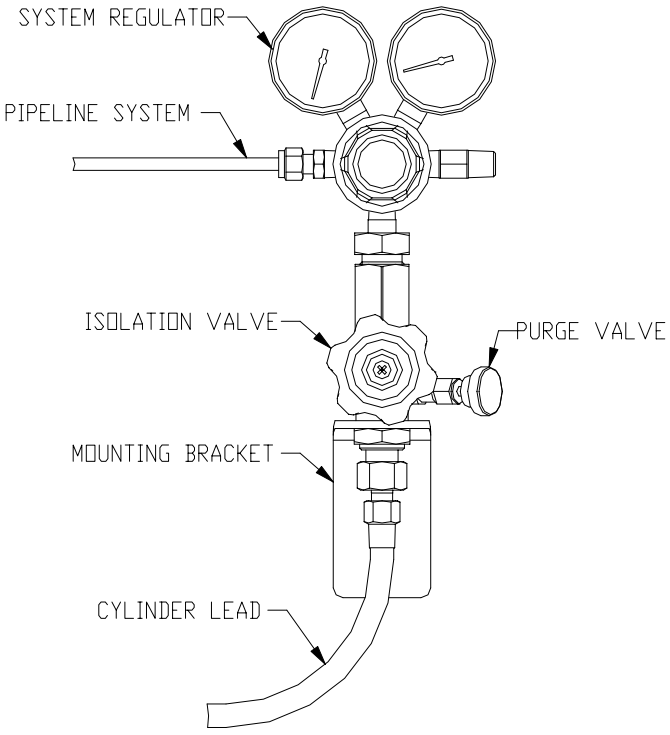
HIGH PRESSURE POINT VALVE OPERATING INSTRUCTIONS

(with inlet purge valve)



IMPORTANT

Ensure that the regulator connected to the point valve has an inlet pressure rating equal to, or higher than the maximum fill pressure of the cylinders being used.

Do not use oils or greases on the point valve or associated components.

Open all valves SLOWLY and FULLY to ensure the pressure increases gradually.

Do not remove the plastic caps in cylinder valve outlets until ready for use.

TO PUT THE POINT VALVE INTO OPERATION

1. Ensure that all outlet points in the pipeline system are closed.
2. Check that the isolation valve and purge valve are closed.
3. Ensure that the cylinder valve outlet is clean. Momentarily open and then closed the cylinder valve to blow out any foreign matter and ensure that each cylinder is full. Close the cylinder valve lightly to make slow opening, (after connection to the point valve), easier.
4. Connect cylinder lead/coil to the cylinder valve. Ensure that the end of the lead/coil is not contaminated with any foreign matter, or that it is not damaged.
5. Ensure that the regulator control knob is fully backed off (ie. turned fully anti-clockwise).
6. Slowly and fully open the cylinder valve. Check the cylinder connection for leaks using a weak solution of soapy water
7. Slowly open then close the purge valve to remove any air trapped in the supply lead/coil.
8. Slowly and fully open the isolation valve. Adjust the regulator control knob until the outlet gauges reads approximately 50-100 kPa. Wait until the pressure into the pipeline stabilizes (ie. cannot hear gas flowing through the regulator). Continue to adjust the regulator knob desired pipeline pressure is reached. (Note: attempting to rapidly pressurise a pipeline system may damage the supply regulator).

TO CHANGE OVER SUPPLY CYLINDER

1. Close the cylinder valve and isolation valve.
2. Slowly open the purge valve and allow the supply lead/coil to de-pressurise, then close the purge valve
3. Remove the supply lead/coil from the cylinder.
4. On the new cylinder, ensure that the new cylinder valve outlet is clean. Momentarily open and then closed the cylinder valve to blow out any foreign matter and ensure that each cylinder is full. Close the cylinder valve lightly to make slow opening, (after connection to the manifold), easier.
5. Connect cylinder lead/coil to the cylinder valve. Ensure that the end of the lead/coil is not contaminated with any foreign matter, or that it is not damaged.
6. Slowly and fully open the cylinder valve. Check the cylinder connection for leaks using a weak solution of soapy water
7. Open the purge valve (for a few seconds) to allow any air entrapped in the supply lead/coil to vent from the system.
8. Close the purge valve and slowly open the isolation valve to allow the system to operate. (Note, if during the changing of the supply cylinder the pipeline has de-pressurised, as indicated by the regulator gauges, the "*put the point valve into operation*" should be followed to avoid damaging the regulator).

It is recommended that the high pressure point valve systems only be shutdown for servicing or if the pipeline system is not going to be used for a prolonged period of time. It is normal practice to leave the manifold in an operating condition overnight.