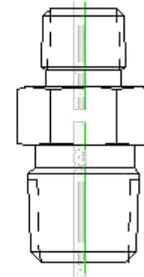


CYL-1 Cylinder Regulators Fitting Installation Instructions

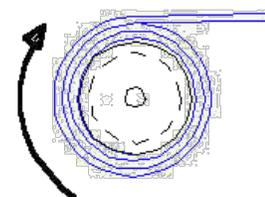
**Make sure you thoroughly understand these directions before proceeding
MAKE SURE THE REGULATOR IS DISCONNECTED FROM AIR SOURCE
MAKE SURE ANY RESIDUAL PRESSURE IS BLED OFF FROM REGULATOR.**

Instructions

1. Completely read these instructions before performing any of the operations.
2. Make sure the regulator is disconnected from pressure source; make sure any residual pressure is bled off from the regulator. **FAILURE TO DO THIS WILL RESULT IN SERIOUS PERSONAL INJURY. DO NOT PROCEED UNTIL PRESSURE HAS BEEN REMOVED AND/OR TERMINATED**
3. Securely clamp the regulator in a vise.
4. Remove the old fitting if it is present.
5. Make sure that the threaded end of the new fitting and threaded port in body are clean, free from any residual sealing tape, and are the same thread size.
6. Wrap end of fitting with six (6) full revolutions of PTFE tape. **DO NOT USE LIQUID TYPE THREAD SEALANT.** Wrap the tape clockwise as looking from the end of the fitting.
7. Start the threads of the fitting by hand. Note the radial position of the fitting as the threads just start. It may be helpful to mark a reference point on the fitting and a reference point on the body with a pencil or marker.
8. Using a wrench, tighten the fitting two (2) full revolutions.
9. Do not reverse the direction you are turning the fitting. If you do, it will be necessary to remove the fitting from the regulator, completely remove the tape, and start over again.
10. Attach primary pressure supply to inlet with suitable fittings.
11. Attach a quarter-turn valve to the outlet port. Leave the valve in the open position.



**WRAP TAPE CLOCKWISE
AS LOOKING FROM END
OF FITTING OR GAUGE**



If an inlet fitting was installed:

1. Squirt a leak detecting fluid around the base of the fitting where it meets the body. Slowly apply inlet pressure while watching and listening for leaks. It may be necessary to re-apply the liquid.
2. If leaks are noticed, immediately back off inlet pressure and reinstall and/or replace the fitting as needed.
3. If no leaks are noticed, adjust inlet pressure to a value that is 110% of the maximum rating for this regulator. Reapply the leak detecting fluid as needed.
4. Wait for two minutes. If no evidence of leaking, such as bubbles or frothing, is noticed back off inlet pressure. The regulator is now ready for service.

If an outlet fitting was installed:

1. Squirt a leak detecting fluid around the base of the fitting where it meets the body. Slowly apply inlet pressure to a value that is 50% of the maximum rating for this regulator.
2. Slowly turn the knob clockwise. When there is evidence of flow at the quarter-turn valve close it.
3. Slowly continue turning the knob while watching and listening for any leaks. It may be necessary to re-apply the liquid. If leaks are noticed, immediately back off adjusting screw and reinstall and/or replace the fitting as needed.
4. If no leaks are noticed, adjust outlet pressure to a value that is 110% of the maximum rating for this regulator. Reapply the leak detecting fluid as needed.
5. Wait for two minutes. If no evidence of leaking, such as bubbles or frothing, is noticed back off outlet and inlet pressure. The regulator is now ready for service.

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