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**WARNING:**

Do not actuate the cylinder shaft manually if the supply port is partially or completely blocked. Always use air pressure to "push" the rod rather than other means of "pulling" it. Pulling causes inversion of the diaphragm which will lead to premature failure.

Do not hesitate to contact ControlAir if you have any questions about application or operation.

Do not use the full stroke of the cylinder when mating to your attachments. Repeated bottoming of the piston inside the cylinder could result in a rod support or piston fracture.

**LUBRICATION:**

None required.

**TEMPERATURE:**

-40 degrees F. to +225 degrees F. Higher or lower temperatures may be obtained by changing elastomers. Consult ControlAir for application recommendations.

**PROCESS COMPATIBILITY:**

Any air or gas which will not attack neoprene rubber is suitable. Different elastomers may have to be substituted to suit other applications. Contact ControlAir.

**PRESSURES:**

Up to 145 psi.

Air lines should be blown clean prior to connection.

Alignment is important to reduce stress and prolong the life of the bearings, wiper and rod. Avoid side loads.

Supply air moisture is not a problem. ControlAir has taken this into consideration during product design.

Do not score or nick the rod on surfaces which may retract back into the bearing. Wrench flats are provided for threading shaft into mating hardware.

Avoid excessive torque when installing pipe into threaded supply port. Excessive force may fracture the weld and cause cylinder leakage.