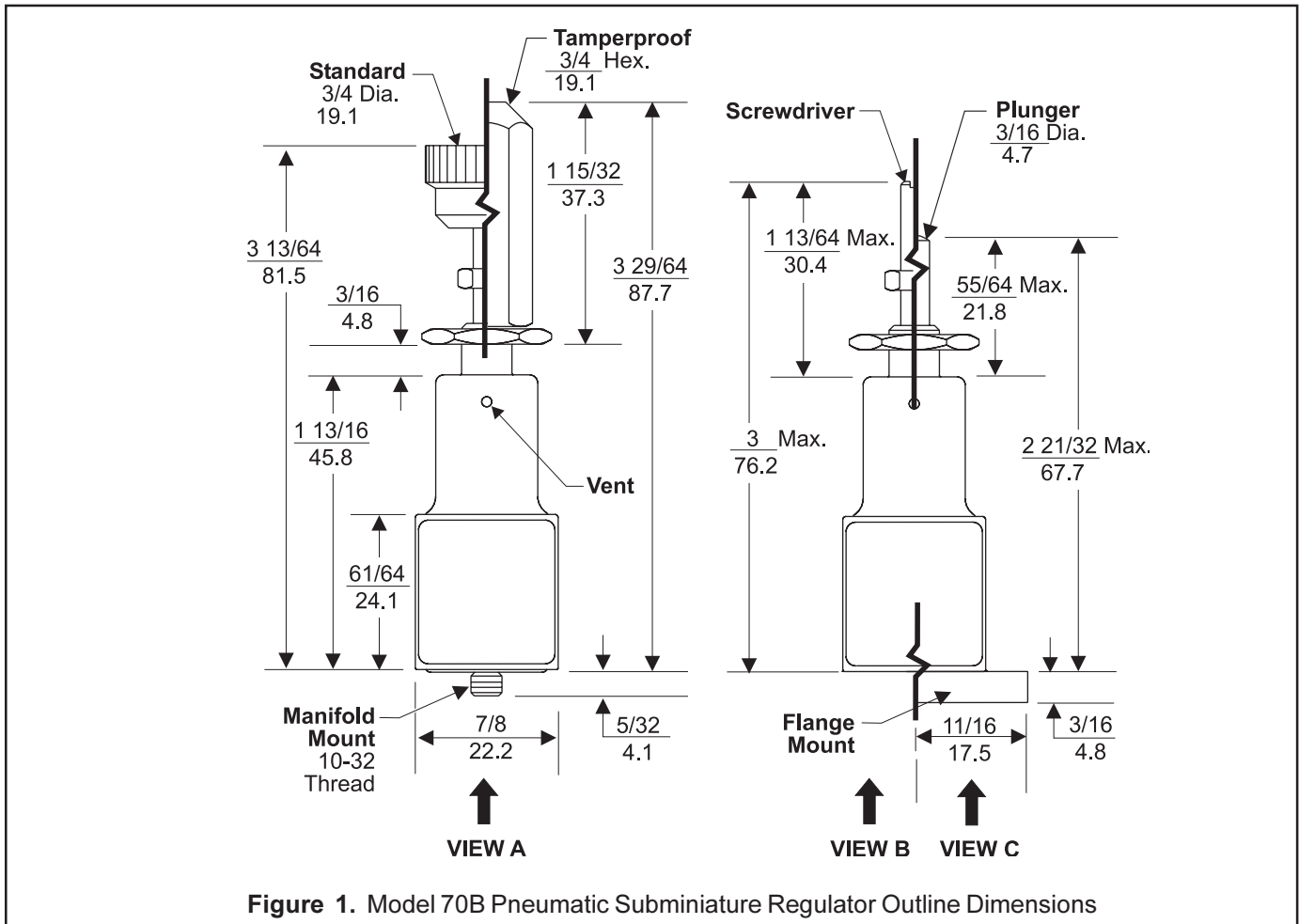


FAIRCHILD MODEL 70B PPNEUMATIC SUBMINIATURE REGULATOR Installation, Operation and Maintenance Instructions



INSTALLATION

Clean all pipelines to remove dirt and scale before installation.

Apply a minimum amount of pipe compound to the male threads of the fitting only. **Do Not use teflon tape as a sealant.** Start with the third thread back and work away from the end of the fitting to avoid contaminating the booster. Install the booster in the air line.

Arrows indicate the Inlet and Outlet ports on the bottom of the Model 70B regulator. Tighten all connections securely. Avoid undersized fittings that will limit the flow through the booster. For more information, see Figure 1.

NOTE: Oil free air must be applied to the booster. Use a filter to remove dirt and entrained liquid in the air line ahead of the booster. If an air line lubricator is used, it MUST be located downstream of the booster to avoid interference with performance.

OPERATION

The Model 70B Pneumatic Subminiature Regulator provides precision control in limited space. The unit is available in five output ranges. For more information, see Figure 1.

MAINTENANCE

To clean the Model 70B regulator, use the following steps:

1. Shut off system pressure to the regulator to prevent air from escaping.
2. Remove the Model 70B from the air line.
3. Wash the Valve Assembly with a solvent. Exercise care to prevent damage to diaphragms and valve facings. **Avoid solvents such as acetone, carbon tetrachloride and trichlorethylene.**
4. Replace the assembly carefully. Ensure that the Exhaust Vents in the Spacer Ring are clear. For more information, see Figure 3.

Troubleshooting

Problem	Source	Solution
Leakage	• Body Screws	• Tighten the Body Screws
	• Diaphragm	• Ensure that the diaphragm is not punctured.
High Bleed	• Relief Seat	• If contaminated, clean the source. • If damaged, install the service kit.

NOTE: If the standard maintenance procedure does not correct the problem, install the appropriate service kit.

Standard	Nitrile	Standard Non-relieving
• 12170	• 12170-1	• 12170-2

