

ANTIFREEZE INJECTOR

O. M. 05599

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WARNING

Do not proceed with these instructions until you have READ the orange cover of this MANUAL and YOU UNDERSTAND its contents. *

These WARNINGS are included for the health and safety of the operator and those in the immediate vicinity.

***If you are using a Clemco Distributor Maintenance and Part Guide, refer to the orange warnings insert preceding the Index before continuing with the enclosed instructions.**

Electronic files include a Preface containing the same important information as the orange cover.

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1.0 INTRODUCTION

1.1 General Description: The Clemco 05537 Antifreeze Injector injects a mist of antifreeze into the remote control line at the outbound twinline hose connection. The antifreeze prevents moisture in the pneumatic remote controls from freezing in cold weather.

2.0 INSTALLATION

⚠ WARNING

Shut off air supply to the blast machine, lockout and tagout the air supply, and bleed the air line before installing the antifreeze injector. The force released from air trapped in the supply line and inlet valve could cause severe injury.

2.1 The antifreeze injector is placed between the inlet valve and the air line to the remote control handle as shown in Figure 1.

2.2 Remove the existing 1/8" street elbow and orifice fitting from the inlet valve.

2.3 Using the supplied 1/4" x 1/8" hex nipple, install the injector onto the inlet valve. Make sure the airflow directional arrow is pointing away from the valve.

2.4 Install the elbow and orifice fitting removed from the inlet valve, to the outlet port of the antifreeze injector.

2.5 Fill the injector with automotive-type antifreeze (ethylene glycol or methyl alcohol). **Do not use air system antifreeze, as it may damage the sight dome.**

Remove the filler port plug, slowly releasing the pressure in the bowl. A long spout can then be inserted into the filler port. While filling, observe the fluid level on the sight glass; do not fill above the maximum level shown on the sight glass.

⚠ WARNING

Do not remove the injector bowl while the injector is under pressure. Severe injury can result from the sudden force released from trapped compressed air and antifreeze.

3.0 OPERATING ADJUSTMENTS

3.1 Turn the sight dome fully clockwise to close. Adjust antifreeze drip rate only when there is a constant flow of air through the injector (the remote control handle up; non-blasting position).

3.2 Turn the sight dome counter-clockwise to start the flow of antifreeze. Observe the drip rate through the dome. All the antifreeze drops seen in the dome go into the air stream. The flow rate depends on the air flow, temperature range, and relative humidity of the area in which the unit will be operated. Trial and error may be necessary to determine the minimum antifreeze drip rate needed to prevent the remote controls from freezing. The numbers on the dial are for reference only, and do not show the drip rate.

4.0 MAINTENANCE

4.1 Drain sediment collected in the bowl by opening the drain valve located at the bottom of the bowl.

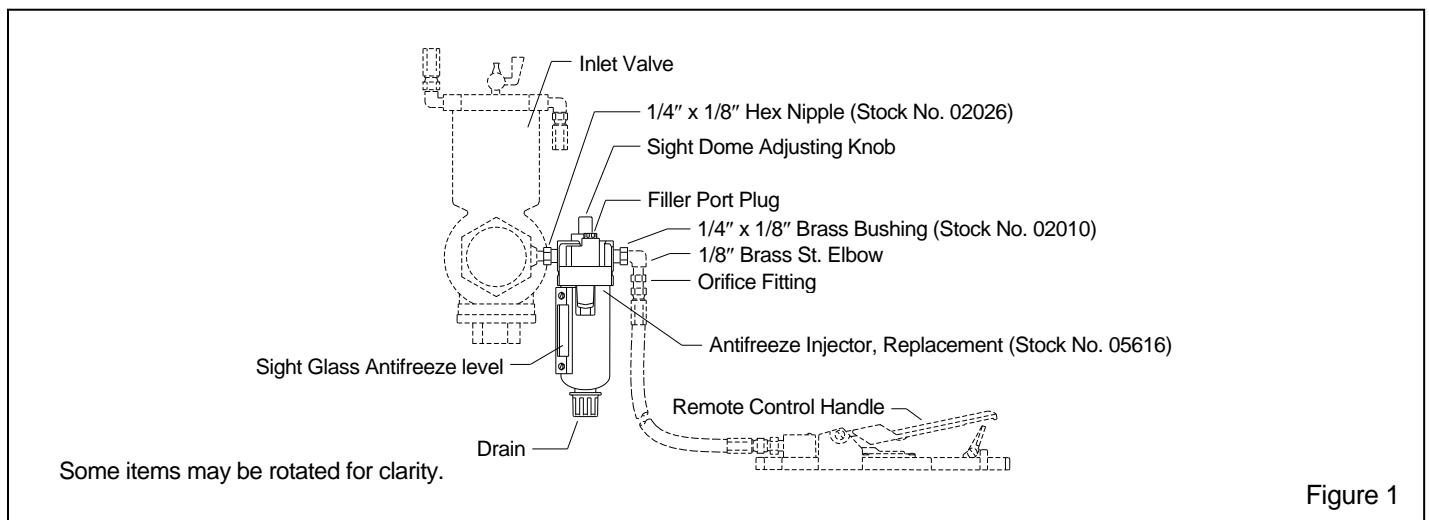


Figure 1