

# INSTALLATION AND OPERATING INSTRUCTIONS

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Cage Code 56183  
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## COMPRESSOR OUTPUT FLOW TESTER (P/N 070B080-00)

### OVERVIEW

The Compressor Output Flow Tester (Figure 1) is designed to test the output flow or capacity of  $\frac{3}{4}$  HP, low pressure (0 – 50 PSIG), piston type compressors. The tester provides an airflow reading indicating the performance of the compressor. This reading may be used to determine if a compressor remains in service or should be removed from service for rebuild purposes or possible replacement. The compressor may be tested while in the air dryer. **Do not use this or any other tester to extend normal overhaul routines beyond their scheduled time.**

### TEST PROCEDURE

1. Remove power to air dryer.
2. Verify that compressor is  $\frac{3}{4}$  HP low pressure (0-50 PSIG) model. The tester has been stamped  $\frac{3}{4}$  LP (low pressure).
3. Disconnect vibration eliminator from compressor and connect tester to same part of compressor. Tighten fittings securely.

### WARNING

Use the tester for short durations only (less than 15 minutes). The tester connection (metal fitting) will become extremely hot.

4. Apply power to air dryer; after short running period, observe reading on gauge of tester. See below for definition of tester readings.

**NORMAL** reading indicates satisfactory compressor operation; an **ABOVE NORMAL** reading indicates that compressor is producing more air than required for normal operation. A **BELOW NORMAL** reading indicates that compressor is not producing a sufficient quantity of air for normal operating conditions.

A **BELOW NORMAL** reading, in most instances, requires that the compressor be overhauled (i.e. new rings and valves). If the standard overhaul procedure is followed correctly and the output remains **BELOW NORMAL**, possibly the compressor is worn beyond the standard rebuild and more extensive repair will be required.

5. Disconnect tester and reconnect vibration eliminator to compressor. Tighten fittings securely.

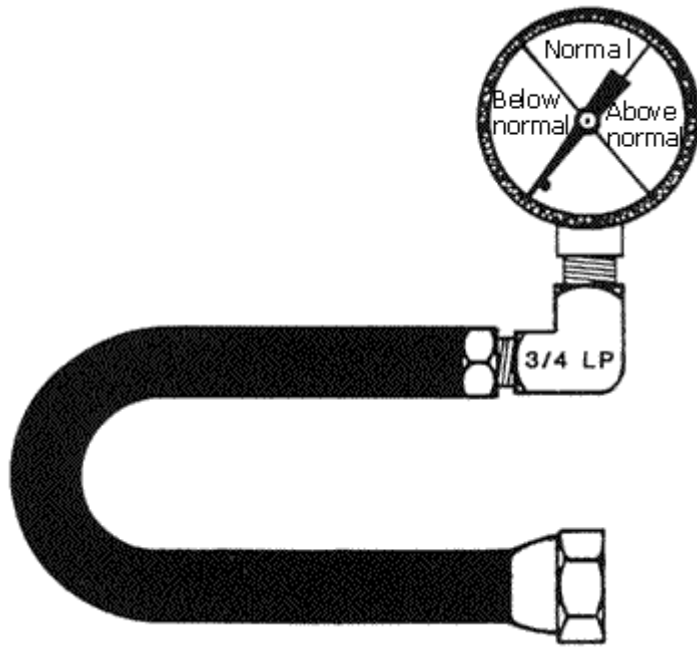


Figure 1