

INSTRUCTION MANUAL

AUTO PUMP TESTER

An Air Tank to be used in testing and troubleshooting
the AUTO PUMP



MODEL # 091-205

INPUT: AIR PRESSURE 150 PSI MAX.

3 YEAR WARRANTY



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INTRODUCTION

The Model 091-205 AUTO PUMP TESTER is a ½ gallon tank with a pressure gauge, bleed valve and air line that acts as a reservoir that may be pressurized by an Auto Pump.

In order to test the AUTO PUMP it is necessary to connect the pump to an air receiver and run the pump. This permits evaluating the run time required to pump up a given volume and to check the set points of the pressure switch. The AUTO PUMP TESTER contains a bleed valve which may be opened to reduce the tank pressure and closed to measure the time required to reach the pressure switch cut-out pressure.

PUMP TEST PROCEDURE

1. Open the bleed air valve on the Tester.
2. Connect the pump to be tested to the air inlet hose on the Tester.
3. Apply power to the pump and observe that the motor runs.
4. Close the bleed air valve and measure the time required for the tank pressure to rise to either 90 psi or till the pressure switch interrupts the power.
5. Open the bleed air valve to reduce the tank pressure to the point at which the pressure switch closes.
6. Close the bleed air valve to permit the tank pressure to build up.
7. Measure the time required for tank pressure to attain the switch cut out point.
8. Repeat the bleed – pump up cycle to verify the pump time required.
9. Adjust the pressure switch as required, cycling the pump off-on to verify pressure switch operation

SPECIFICATION

| Pump Model Number | Volts | Max. Output PSI | Cut-Out PSI | Cut-in PSI | Time to fill Empty tank | Time to cycle pres. Switch |
|-------------------|--------|--------------------|----------------|---------------|----------------------------|-------------------------------|
| 091-9 | 12VDC | 95 | 95 | 75 | | |
| 091-9HP | 12VDC | 125 | 125 | 105 | | |
| 091-9B-1 | 120VAC | 95 | 95 | 75 | | |
| 091-9HP | 120VAC | 125 | 125 | 105 | | |
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Note: The Cut-out and Cut-in pressures shown are the maximum settings of the pressure switch. The installer or assembler may elect lower settings to increase compressor life.

PARTS LIST

| Item | Part Number | Description | |
|------|-------------|------------------------------|--|
| 1 | TA-02V | 1/2 Gallon Air Tank | |
| 2 | 2203P-4-4 | 1/4 NPT Tee | |
| 3 | 5049K4 | Needle Valve | |
| 4 | SAD2002-160 | 2 inch, 150 psi Gauge | |
| 5 | NN-4-035 | 1/4 inch Nylon Hose | |
| 6 | 68PLP-4-4 | Fitting, 1/4 NPT to 1/4 Hose | |
| 7 | | | |
| 8 | | | |

WARRANTY

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