

PLUG TECHNOLOGIES, INC.

Operating Instructions for Max-Flow Air Test Panel Part# 500-00

- * Ensure the FatBoy Tester plug is properly connected to the triple hose and the triple hose is properly connected to the Max-Flow Air Test Control Panel. The hoses are color coded to simplify the connections to the FatBoy plug and the Max-Flow Air Test Panel.
- * Before testing verify that the FatBoy Tester plug and the FatBoy Plugster plug (down stream or back plug) have a back pressure rating greater than the pressure of the air test that is to be performed.
- * To start the test ensure that the FatBoy Plugster (down stream or back plug) has already been installed using proper safety procedures for plug use.
- * Locate the knob labeled **PLUG PRESSURE REGULATOR** on the control panel. Rotate the **PLUG PRESSURE REGULATOR** knob counter clockwise until it stops. The regulator might be locked, pull slightly on knob before turning.
- * Just above the **PLUG PRESSURE REGULATOR** is the **PLUG INFLATE\DEFLATE** valve. Rotate this valve counter clockwise to the **PLUG INFLATE** position. The Fat Boy Tester plug is now ready to inflate.
- * Rotate the **PLUG PRESSURE REGULATOR** in the clockwise direction. This will allow air to flow and begin inflating the FatBoy Tester plug. Closely monitor the **PLUG INFLATION PRESSURE** gauge, and turn the **PLUG INFLATE\DEFLATE** valve to **HOLD** once the required inflation pressure of the FatBoy Tester plug has been reached. **WARNING! - Over inflation of the FatBoy Tester plug could cause rupturing or explosion of the plug.**
- * Continue to monitor the inflation pressure of the FatBoy Tester plug through out the test to insure it stays at the required inflation pressure.
- * To the right of the **PLUG INFLATE/DEFLATE** valve is the **TEST AREA FILL/TEST AREA EXHAUST** valve. Rotate this valve in the clockwise to the **TEST AREA FILL** position. You are now pressurizing the test area between the two plugs. While closely monitoring the **TEST PRESSURE GAUGE**, occasionally turn the **TEST AREA FILL/TEST AREA EXHAUST** valve to the **HOLD** position to more closely monitor the test pressure and allow the air pressure to stabilize. Once the desired test pressure has been obtained, leave the valve in the **HOLD** position until the line acceptance test has passed the test specification. **WARNING! Never over pressurize the test area - this can cause the plugs to violently dislodge from the pipe.**
- * After completion of the test, turn the **TEST AREA FILL/TEST AREA EXHAUST** valve counter clockwise to the **TEST AREA EXHAUST** position. Allow all air pressure to relieve from the test area. This release of the test pressure can take a substantial amount of time depending of the volume of the test area. **WARNING! Deflating the plugs prior to completely exhausting the test area can cause the plugs to violently dislodge from the pipe.**

Trouble Shooting

- * **The test area will pressurize but quickly loses pressure and causes the test to fail.**
 - Your pipe may have a leak that is causing the test to fail.
 - Make sure the plugs being used are rated to hold the test pressure requirements.
 - Make sure the plugs being used are inflated to the required inflation pressure.
 - Make sure the plugs are positioned completely inside the pipe.
- * **I am pressurizing the test area but no pressure is registering on the test pressure gauge.**
 - Prior to installing the FatBoy Tester Plug check to insure that there are no blockages or obstructions on the return line (Yellow) through the plug - blow air though the hose to verify.
 - Make sure the yellow return line\ hose is properly connected to the yellow return fitting on the panel.
 - Verify that the test pressure gauge is in good working order.
 - Verify there are no open drops that are connected to the pipe being tested.
- * **The PLUG PRESSURE REGULATOR won't turn.**
 - Unlock the **Plug Pressure Regulator** by pulling out the knob until you here a click.

WARNING

- DEATH, BODILY INJURY OR PROPERTY DAMAGE MAY RESULT IF THE PLUG WERE TO FAIL FOR ANY REASON.
- ALWAYS WEAR HARD HAT & SAFETY GLASSES.
- READ & UNDERSTAND THE SUPPLIED SAFETY INSTRUCTIONS REGARDING THE PROPER USE OF PNEUMATIC PIPE PLUGS.
- ALWAYS MEASURE PIPE INSIDE DIAMETER BEFORE SELECTING PLUG.
- NEVER USE PLUG IN A PIPE SIZE DIFFERENT FROM THE STATED USAGE RANGE.
- INSPECT PLUG AND INFLATION HOSE FOR DAMAGE BEFORE & AFTER USE.
- NEVER ENTER THE DANGER ZONE WHEN PLUG IS IN USE.
- ALWAYS USE AN INFLATION HOSE SO PLUG CAN BE INFLATED & DEFLATED FROM OUTSIDE THE DANGER ZONE.
- NEVER REMOVE THE INFLATION HOSE UNTIL ALL BACK PRESSURE IS RELEASED AND THE PLUG IS DEFLATED.

WARNING

- MUST INFLATE PLUG TO THE STATED INFLATION PRESSURE SHOWN ON PLUG.
- NEVER EXCEED STATED INFLATION PRESSURE SHOWN ON PLUG.
- ALWAYS USE PROPERLY FUNCTIONING PRESSURE GAUGES.
- NEVER EXCEED MAXIMUM ALLOWABLE BACK PRESSURE.
- ALWAYS RELEASE BACK PRESSURE FROM THE PIPE BEFORE DEFLATING PLUG.

ADDITIONAL SAFETY INSTRUCTIONS ARE AVAILABLE FREE FROM:
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