STEMAR EQUIPMENT & SUPPLY COMPANY, INC.

Serving underground construction since1922

PIPE JOINT TESTER INSTRUCTIONS-*AIR TEST*

READ COMPLETELY BEFORE PROCEEDING

Testing the joints of: concrete, T-lock, concrete lined ductile, clay, PVC, polyethylene, polybutylene, steel, or any other material is accomplished with ease in a minimum length of time with either air or water. Air Test Panel is included with each Pipe Joint Tester.*****

Available are all pipe sizes, inches or metric, from 24" (609mm) up to 120" (3.05 meters) in single sizes or multi-sizes. Custom larger sizes to meet your needs. Available testing pressure from (0 to 100 P.S.I.). Custom pressures over 100 P.S.I. Our Pipe Joint Testers meet or exceed all of the U.S. Army Corps of Engineers joint testing specifications.

Air or water testing is commonly performed during the construction phase so that the Tester can be rolled into the end of the pipe and from one pipe joint to another. However, it can also be used in existing pipe by disassembling it, *(before disassembling be sure to examine how the Tester will be reassembled)*, and lowering the individual sections into a manhole.

A. SETUP PRIOR TO TESTING

1. The Tester is centered in the pipe. it is important that the space between the pipe wall and the out- side of the Tester is exactly equal around the entire Tester. Adjusting the wheel(s) height does this.
2. Center Tester over the pipe joint. To help centering, uncouple both female couplers on the inside of the Tester, and physically sight the pipe joint.
3. Attach one end of 25' (color-coded) triple hose to the Tester and the other end to the Test Panel*****. Then attach compressor hose to Air Inlet #1 on the Test Panel. (PLEASE SEE SCHEMATIC ON THE OTHER SIDE.)

B. TESTING PROCEEDURE (FOR TEST PANEL ONLY)*

1. Open the Bladder Inflation Valve to inflate/fill the Tester Sleeve. (Red color-code.)
2. Close the Bladder Inflation Valve when Bladder Inflation Pressure Gauge reads the exact maximum pressure. (Your required bladder inflation pressure will always be stenciled on the rubber bladder of the joint tester itself, **always inflate bladder to required inflation pressure**) Over pressuring the Tester Sleeve may cause serious damage to the Tester and/or the pipe you are testing. *If you overinflate Tester Sleeve quickly open Bladder Relief Valve to reduce pressure.*
3. The Regulator to the Tester controls the amount of airflow to the Tester Bladder. This is preset.
4. Open the Test Space Inflation Valve. This fills the Test Space quickly. (Blue color-code.)
5. Close the Test Space Inflation Valve when the Test Space Pressure Gauge registers the proper test pressure.
6. Observe Test Space Pressure Gauge per job specifications to determine the integrity of the pipe joint. (For sample test specifications contact Stemar Equipment & Supply Co., Inc.)

*****If you are using the *optional* SELF-CONTAINED WATER RECOVERY SYSTEM, please use the separate TESTING PROCEEDURE INSTRUCTIONS.

C. BEFORE MOVING PIPE JOINT TESTER

1. Open Test Space Relief Valve to depressurize the pipe joint Tester Space.
2. Open Bladder Relief Valve to deflate the Tester Sleeve before moving.

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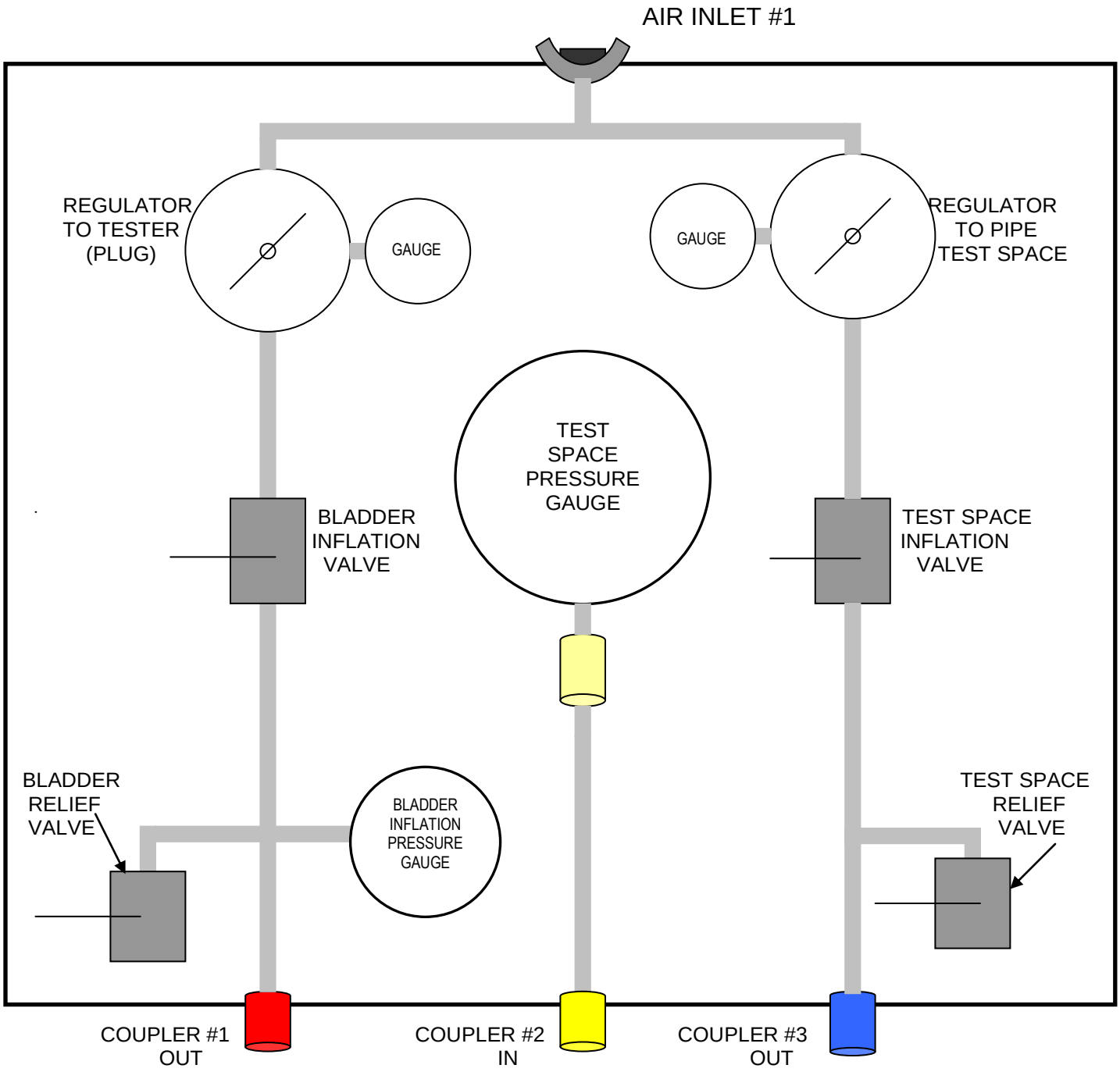
STEMAR EQUIPMENT & SUPPLY CO., INC.

Serving Underground Construction Since 1922

AIR TEST PANEL



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