CUSTOM®
CRIMP

BE SERIES TEST BENCH OPERATORS MANUAL

SAFETY PRECAUTIONS

READ INSTRUCTIONS AND IDENTIFY ALL COMPONENT PARTS BEFORE OPERATING BENCH

TEST BENCH PRODUCES EXTREMELY HIGH PRESSURE. USE CAUTION WHEN OPERATING

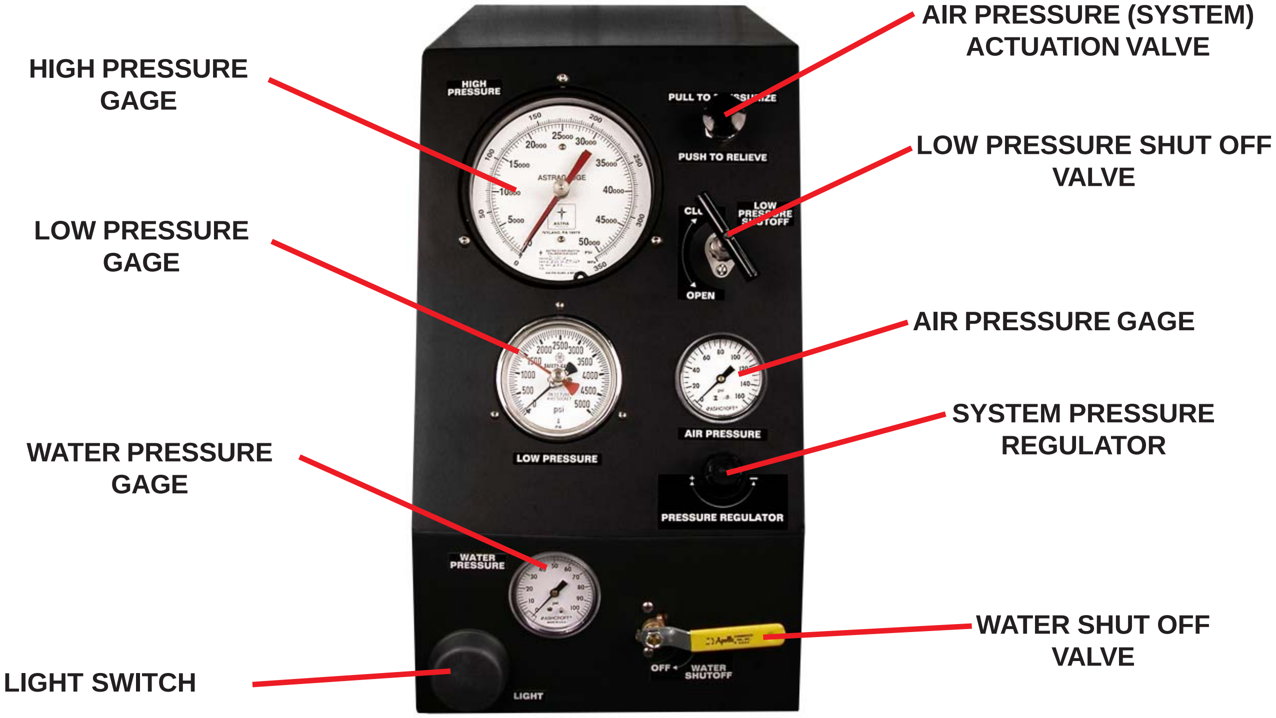
KEEP HANDS AWAY FROM PINCH POINTS

CONSULT HOSE AND FITTING MANUFACTURER'S SPECIFICATIONS FOR CORRECT TESTING PROCEDURE

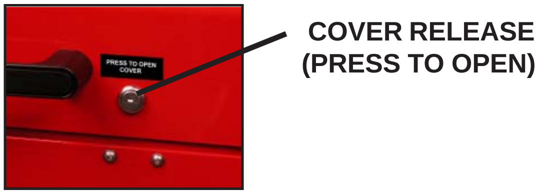
ALWAYS WEAR EYE PROTECTION

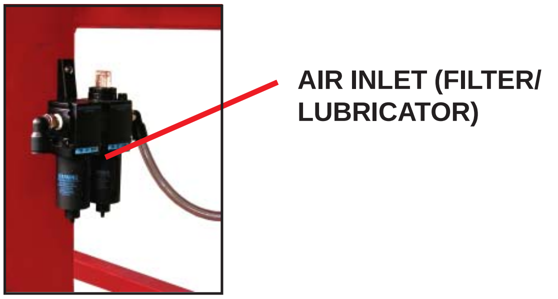
For Parts and Service, Contact:
Custom Machining Services, Inc.
Valparaiso, In 46383
(219) 462-6128

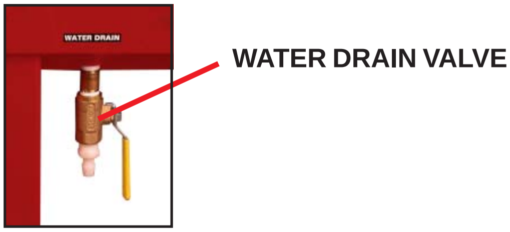
TEST BENCH PARTS IDENTIFICATION



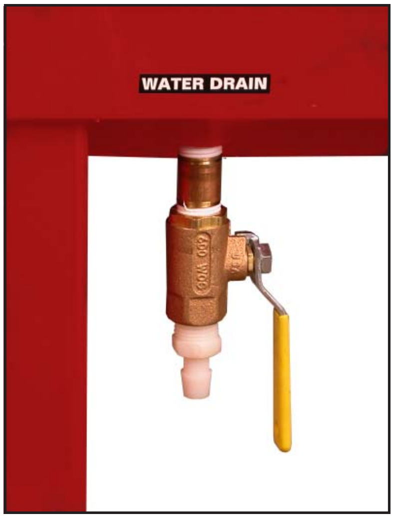
CONTROL PANEL







☐ Connect a water supply hose to the water inlet connection which is located at the rear of the control cabinet.



WATER DRAIN

☐ Connect a water drain hose to the water drain connection located at the rear of the test bench. Run the drain line to an appropriate drainage area.

☐ Connect an air supply (80 psi Max) to the air inlet/filter.

Note: For optimum performance an air supply of 28 SCFM is recommended

☐ Plug the electrical cord into a standard 110VAC outlet. (Electrical power is required only to operate the work light and is not required to operate the test bench)

AIR INLET

☐ Prior to operating bench, make sure that pressure regulator knob is adjusted all the way out (counter-clockwise).

☐ Raise the tank lid by pushing button and lifting up on handle.

☐ Attach hose to be tested to the manifold inside the tank. The standard manifold has 4 ports out the side and 2 ports on top. Any port can be used for testing hoses.

☐ Note: The manifold port threads are a special high-pressure coned configuration that only accepts the proper mating fittings. (Adapters are available to connect various thread sizes to the manifold.)

☐ Secure the supplied plugs in unused manifold ports.

☐ Place supplied rubber safety mat over hose.

☐ Lower tank lid and make sure latch engages to ensure it is fully closed.

☐ Adjust pressure regulator knob all the way down (counter-clockwise).

☐ Set the gauge maximum indicating pointer to zero.

☐ Close the low pressure shut off valve to protect the low pressure gauge (if equipped).

Note: Failure to close the low pressure shut off valve can result in damage to the gage.

☐ Turn on water shutoff valve.

☐ Pull the Air Pressure Actuation Valve palm button to begin test and pressurize system.

☐ Begin increasing pressure by turning pressure regulator knob clockwise. Take care to increase regulator slowly as system pressure may spike between pump strokes.

☐ Low pressure operation: (If equipped with both a low and high pressure gauge.)

- ***Make sure system pressure is well below 5000 psi prior to opening low pressure valve.***

- Open the low pressure shut off valve.

- Increase regulator pressure slightly to get a low pressure reading.

- ***Prior to reaching full pressure on the low pressure gauge, close the low pressure shut off valve to protect gauge.*** A maximum pressure of no more than 4500 psi is recommended for this gauge.

- Continue test using high pressure gauge.

☐ Increase pressure regulator until system reaches desired pressure on high pressure gauge.

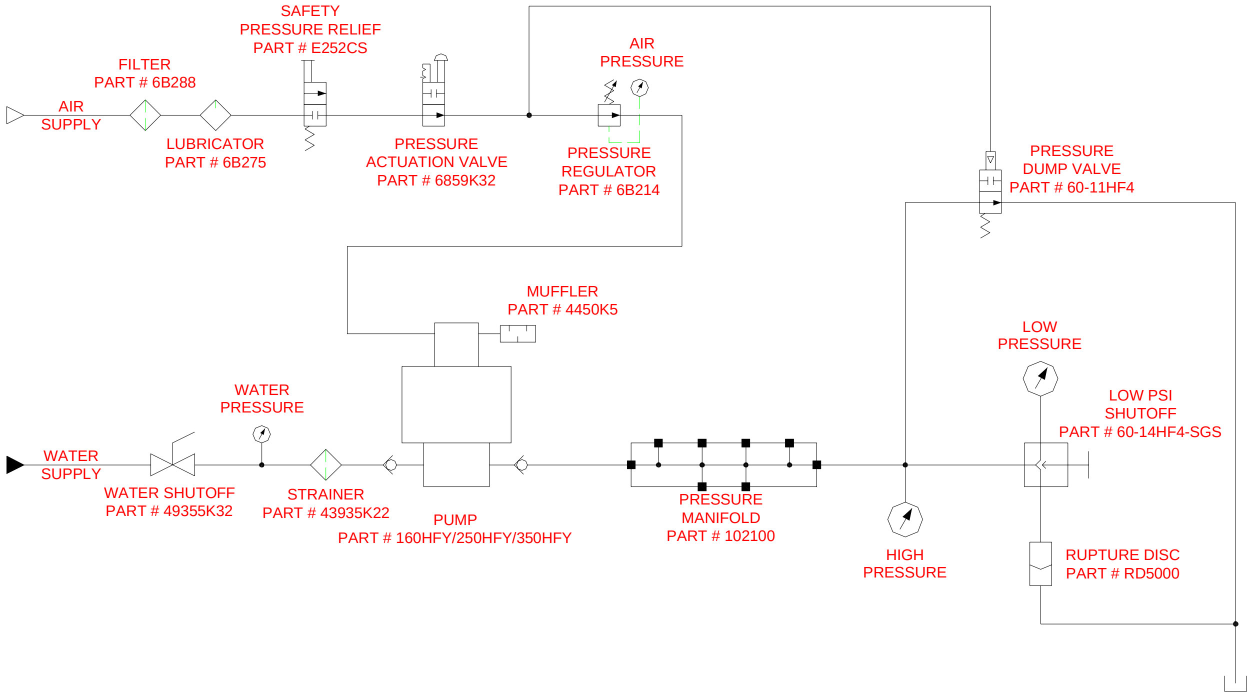
☐ Turn pressure regulator knob counter-clockwise to decrease air pressure.

☐ Push Air Pressure Actuation Valve palm button to relieve system pressure and end test.

☐ Record maximum pressure indicated by pointer on gauge.

☐ Open tank lid and remove tested hose.

Note: Opening the cover at any time will relieve system pressure. This is a safety feature and should not be cimcumvented.



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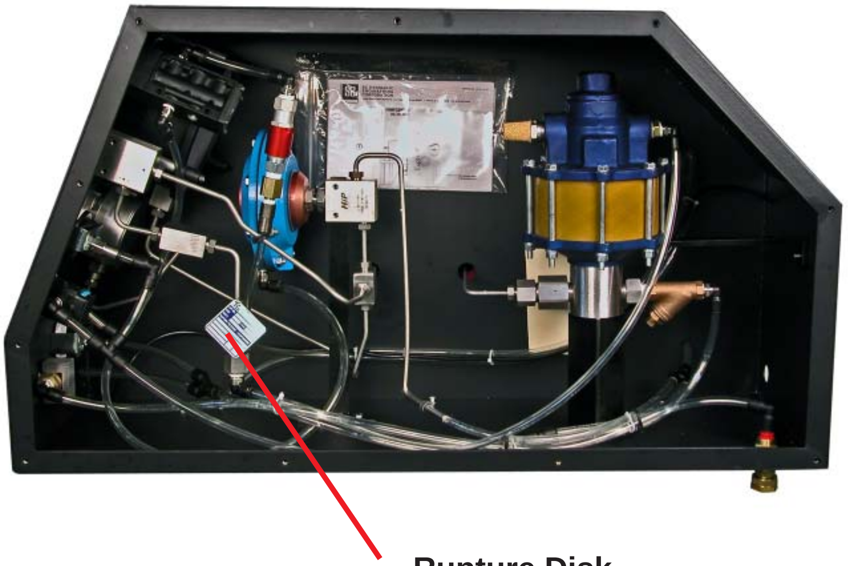

Rupture Disk

Test benches with the 5000 psi optional gage have a Rupture Disk designed to protect the gage in the event of over pressurization. 5000 psi benches are shipped with a spare disk which can be replaced if required.

NOTES