

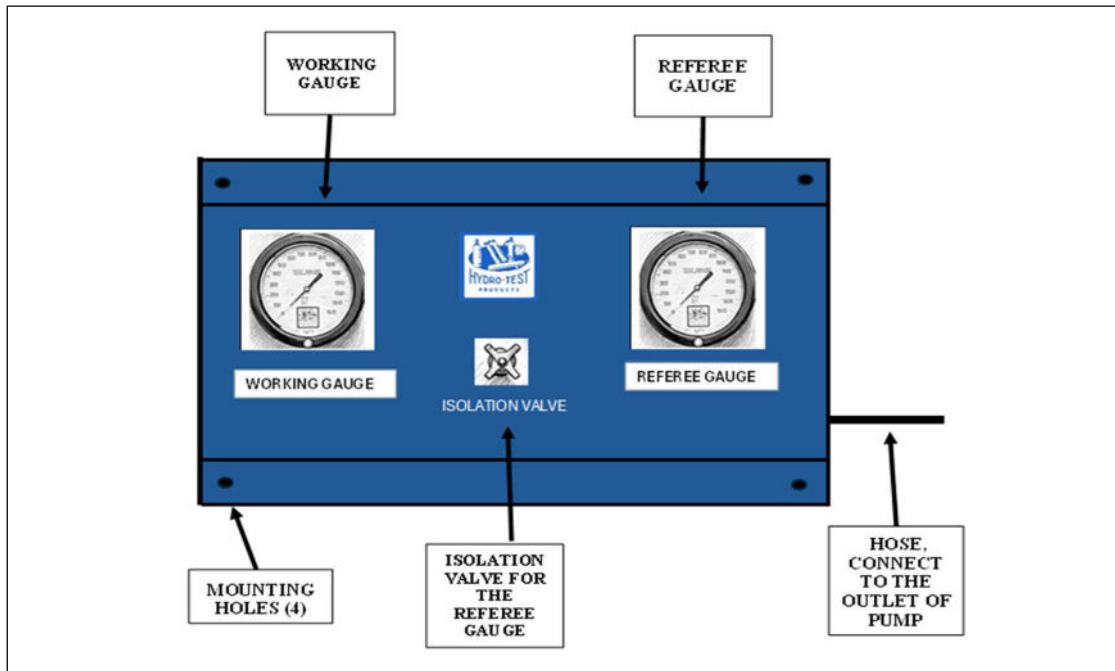
INSTRUCTION
MANUAL

DUAL GAUGE PANEL

MODEL
140-Series

HYDRO-TEST PRODUCTS LLC
85 HUDSON ROAD, STOW, MA 01775 U.S. A

The 140-Series Dual Gauge Proof Test System



This manual incorporates the following models manufactured by Hydro-Test Products LLC. Please carefully read this entire manual before operating the equipment for the first time. Should you have any questions or concerns, please contact Hydro-Test Products prior to operating. Models listed below are

140-415	1100psi Low Pressure System
140-416	1500psi Low Pressure Gauge
140-417	11000PSI High Pressure Gauge

Your Model No. _____
Your Serial No. _____



Hydro-Test Products LLC



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INTRODUCTION

The Proof Test Method is permitted where the regulations do not require the determination of total and permanent, and elastic expansion. It consists of examining a cylinder under pressure for leaks, bulges and any visible defects.

Certain specification containers, for example: cylinders used exclusively in noncorrosive service, may be requalified in this method.

IF OPERATING THIS EQUIPMENT UNDER A D.O.T. LICENSE, YOU MUST:

- 1 **RECEIVING HAZMAT TRAINING** (function specific to requalification of cylinders) HAZMAT TRAINING PERTAINING TO THE REQUALIFICATION OF CYLINDERS, MEETING THE U.S. DEPARTMENT OF TRANSPORTATION REGULATIONS, ARE OFFERED BY HYDROTEST PRODUCTS.
- 2 **SET UP AND VERIFY ACCURACY OF EQUIPMENT**
- 3 **HAVE ON HAND.**
 - Test Record Forms
 - Daily Verification Forms
 - Current Copy of CFR Title 49, sections 100-185
 - Current Copies of Special Permits for any Cylinder That Your Facility Will Be Re Qualifying
 - Applicable Compressed Gas Association Pamphlets
 - Applicable NFPA Pamphlets
 - Current Certificates for Equipment
 - Current Certificate of Training
- 4 **SECURE A LICENSE FROM THE U.S. DEPARTMENT OF TRANSPORTATION**
- 5 **REQUIRED UTILITIES**

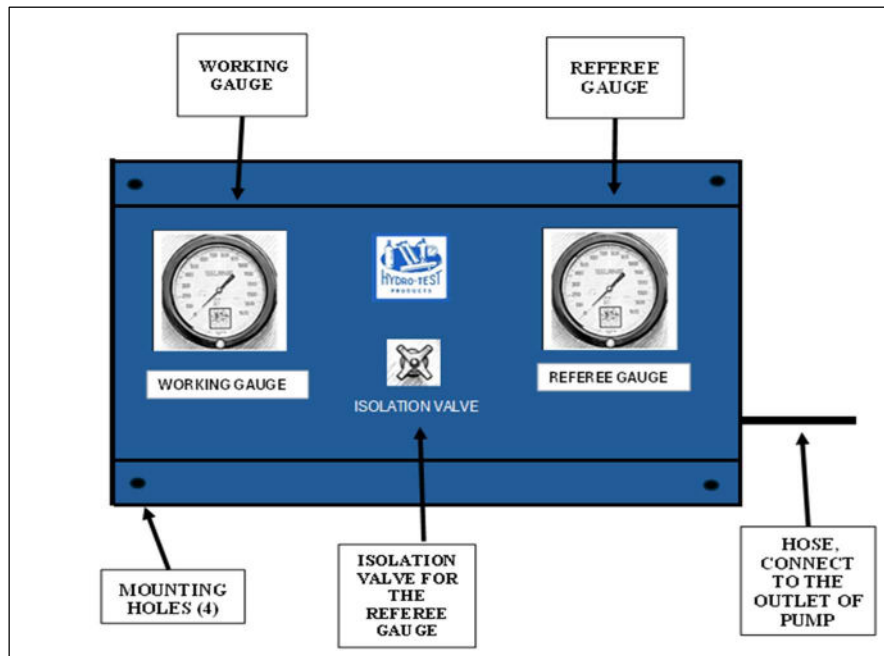
Utilities/Equipment required checklist:

- Pump to pressurize the cylinder. *(Not Provided)*
- Inlet water supply to the pump *(Not Provided)*
- Air supply to pump if it's a pneumatic pump *(Not Provided)*
- Location to mount the Proof Test System
- Cage for the cylinder that is going to be tested. *(Not Provided)*
- "Test Cylinder" this cylinder provides "VOLUME" to pressurize the panel for Verification *(Not Provided)*

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UNBOXING



PANEL

Includes;

1 PANEL WITH 4 MOUNTING HOLES

2 GAUGES (Pressure Indicating Devices (P.I.D.)) (*High or Low-Pressure Gauges with Certificates*) (*already installed*)

Isolation Valve (*already installed*)

Hose (*already installed*)

Dampener for Low Pressure Gauges (*already installed*) on the back of the Panel (*not shown*)

Snubber for High Pressure Gauges (*already installed*) on the back of the Panel (*not shown*)

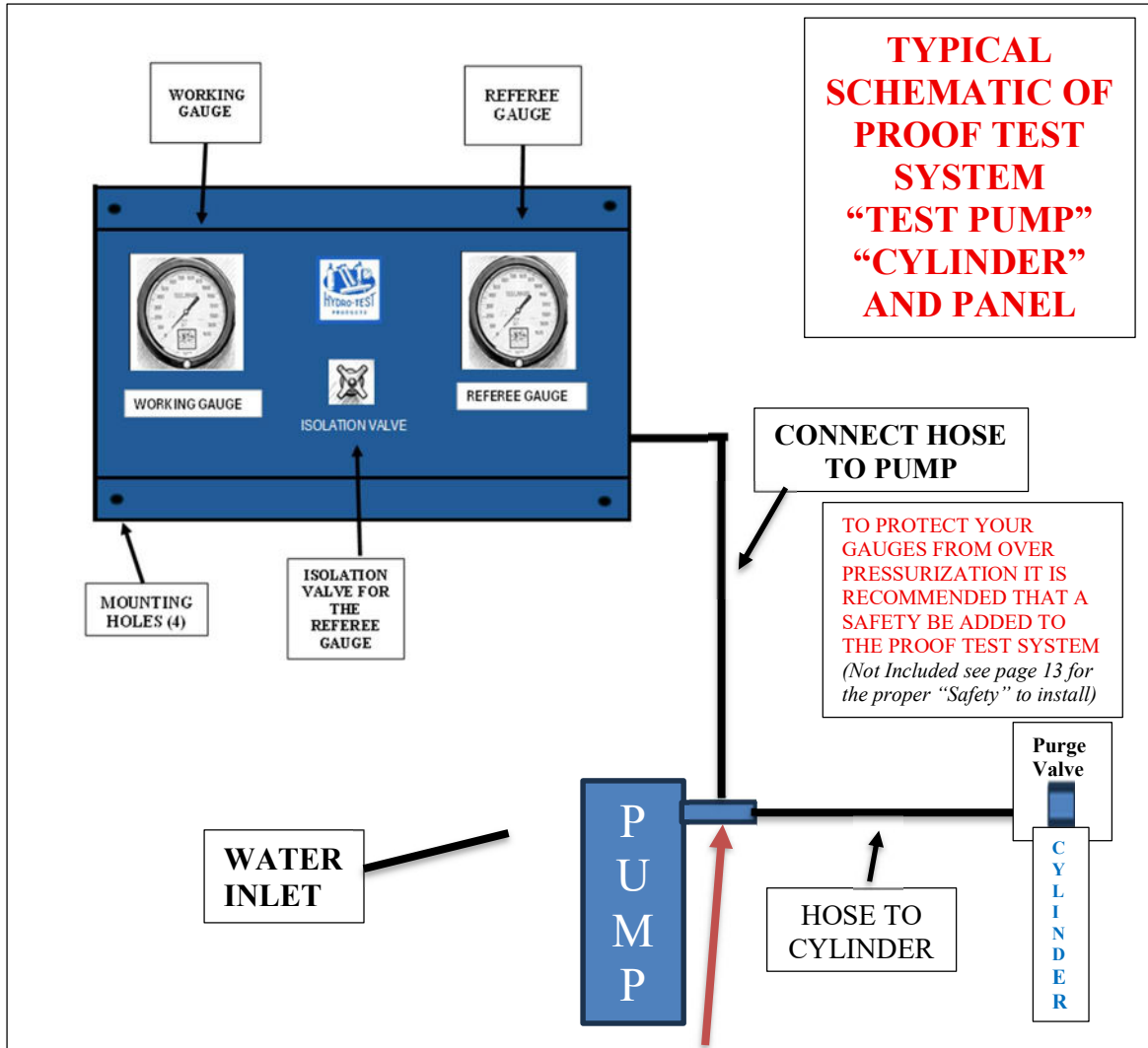
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SETUP

STEP 1 MOUNT YOUR PANEL ON THE WALL

STEP 2 CONNECT HOSE TO THE OUTLET OF YOUR PUMP



IF YOU PURCHASED THE PUMP FROM HYDRO TEST PRODUCTS THE PUMP WILL BE SUPPLIED WITH A SMALL GAUGE ON THE OUTLET OF THE PUMP THIS GAUGE MUST BE REMOVED SO THAT THE HOSE FROM THE PANEL CAN BE CONNECTED.

IF YOU WOULD LIKE TO PURCHASE A HYDRO TEST PUMP, SEE BELOW FOR PUMP PART NUMBERS:

MANUAL PUMP: PART NO. 500-026B

PNEUMATIC PUMP: PART NO. 500-801

You can also install a quick coupler on the Panel Hose and a nipple on the outlet of the pump for easy installation. Quick Coupler Part No. 110-015, Nipple Part No. 110-016

Note: See page 13 under parts for the proper safety to install.

SETUP (*continued*)

STEP 3 PREPERATION OF PRESSURE GAUGE (PRESSURE INDICATING DEVICE (P.I.D.))

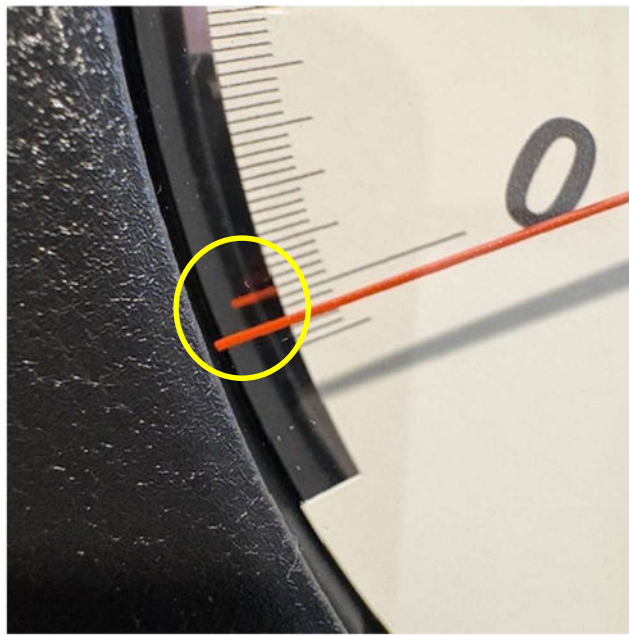
This is the primary calibrated instrument in the system. **Before** starting, make sure you can read the gauge (see below: “Reading the Gauge” instructions), and figure out the “True Zero” point. The “True Zero” point **MAY** need adjusting, check Calibration Certificate for “True Zero” (Most gauge true zero readings are not 0, (may be +2, -1, etc...)).

Note: The “True Zero” point is where the needle should be pointing when its at zero pressure (see how to adjust “True Zero” point on next page)

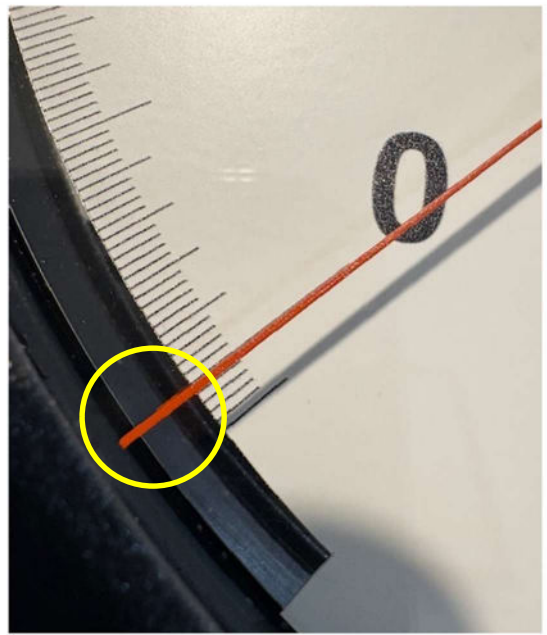
READING THE GAUGE

- LOCATE THE NEEDLE,
- FIND THE MIRROR LOCATED ON THE OUTER EDGE OF THE DIAL FACE
- ALIGN THE NEEDLE WITH ITS OWN REFLECTION, BY MOVING YOUR HEAD UP, DOWN, LEFT OR RIGHT UNTIL THE NEEDLE AND ITS REFLECTION ARE PERFECTLY ALIGNED

Example below is INCORRECT



Example below is CORRECT



SETUP (*continued*)

To adjust your “**True Zero**” follow instructions for your model listed below:

140-415 PANEL 1100PSI GAUGES:

- a) Remove the glass cover by turning the cover slightly counterclockwise and remove the safety foam on the needle that was used for shipping purposes.
- b) Gently tap gauge face (to relieve any friction). Observe indicated pressure of pointer. Compare this reading to the “**True Zero**” reading found on the calibration certificate for this gauge. Most gauge true zero readings are not 0, (may be +2, -1, etc...). This is an adjustment of zero only and may be required due to shifting in shipment. **This adjustment is to be made only at the true zero point and never at test pressures**
- c) Adjusting “True Zero” hold the needle in place with your fingers and gently turn the round gear located in the middle of the needle either Clockwise or CCW dependent on location of needle and “True Zero”. It may take you a few tries to properly adjust. **Exercise caution when adjusting the needle to avoid damaging the needle.**

140-416 PANEL 1500PSI GAUGES

- a) Gently tap gauge face (to relieve any friction). Observe indicated pressure of pointer. Compare this reading to the “**True Zero**” reading found on the calibration certificate for this gauge. Most gauge true zero readings are not 0, (may be +2, -1, etc...).
- b) Adjusting the “**True Zero**” point, locate the knob in front of the gauge, turn small locking knob counterclockwise, then turn the large knob in front of gauge either clockwise or counterclockwise to adjust needle to true zero. **This adjustment is to be made only at the true zero point and never at test pressures.**

140-417 PANEL 11000PSI GAUGES

- a) Gently tap gauge face (to relieve any friction). Observe indicated pressure of pointer. Compare this reading to the “**True Zero**” reading found on the calibration certificate for this gauge. Most gauge true zero readings are not 0, (may be +20, -10, etc...).
- b) Adjusting the “**True Zero**” point, locate the knob in front of the gauge, turn small locking knob counterclockwise, then turn the large knob in front of gauge either clockwise or counterclockwise to adjust needle to true zero. **This adjustment is to be made only at the true zero point and never at test pressures**

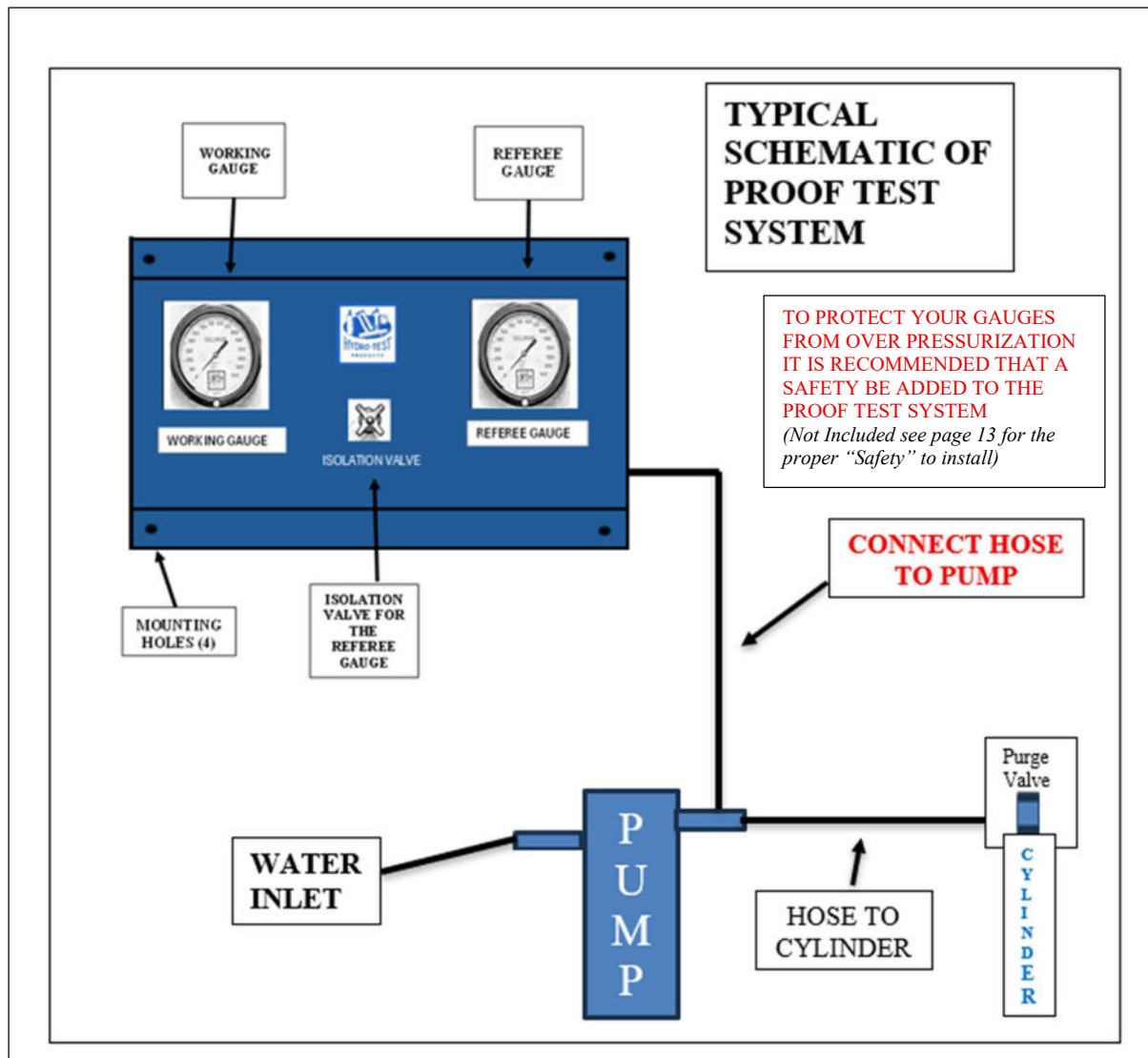
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Checklist

BEFORE PROCEEDING, PLEASE BE SURE THAT
THE FOLLOWING HAS BEEN ACCOMPLISHED

- 1) PANEL MOUNTED
- 2) HOSE CONNECTED TO PUMP
- 3) "TRUE ZERO" ON GAUGES ADJUSTED TO "**TRUE ZERO**" READING FOUND ON THE CALIBRATION CERTIFICATE FOR THAT GAUGE.
- 4) **KNOW COMPONENTS ON YOUR PANEL / SYSTEM, SEE BELOW:**



Note: See page 13 under parts for the proper safety to install

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VERIFICATION PROCEDURE

THIS PROCEDURE IS TO BE DONE AS THE FIRST EXERCISE EACH DAY THAT TESTING IS PERFORMED (*SEE CGA C-1 PAMPHLET FOR REQUIREMENTS*)

BASIC PROCEDURE:

STEP 1 OPEN “ISOLATION VALVE” TO INTRODUCE THE “REFEREE GAUGE”

STEP 2 CONNECT PRESSURE HOSE FROM YOUR PUMP TO “TEST CYLINDER” THIS CYLINDER PROVIDES “VOLUME “TO PRESSURIZE THE SYSTEM

STEP 3 OPEN “PURGE VALVE” ON “TEST CYLINDER” TO PURGE AIR

STEP 4 OPEN WATER VALVE ON YOUR PUMP, AND WHEN WATER STARTS TO FLOW OUT OF THE “PURGE VALVE” ON THE “TEST CYLINDER” CLOSE THE “PURGE VALVE”

STEP 5 INCREASE THE PRESSURE GRADUALLY UNTIL IT REACHES THE SELECTED VERIFICATION PRESSURE (*SEE CGA C-1 PAMPHLET FOR VERIFICATION PRESSURE REQUIREMENTS*)

Step 6 STOP AND HOLD PRESSURE FOR 30 SECONDS

STEP 7 TAKE A READING FROM YOUR “REFEREE GAUGE” AND RECORD PRESSURE ON YOUR VERIFICATION FORM

STEP 8 TAKE A READING FROM YOUR “WORKING GAUGE” USING THE SAME METHOD AS ABOVE AND RECORD THAT READING ON YOUR VERIFICATION FORM

STEP 9 RELEASE THE PRESSURE AND TURN OFF THE WATER VALVE ON YOUR PUMP

STEP 10 CALCULATIONS EXAMPLE BELOW: (*SEE CGA C-1 PAMPHLET FOR REGULATIONS AND REQUIREMENTS*)

Verification Pressure(s) on Referee/Master Gauge	Pressure Reading on Working Gauge	% DEVIATION
400psi	402psi	0.5%

$$\text{Formula: } 400 - 402 = 2 \div 400 \times 100 = 0.5\%$$

TESTING CYLINDERS

BASIC PROCEDURE

STEP 1 CLOSE “ISOLATION VALVE”

STEP 2 CONNECT PRESSURE HOSE FROM YOUR PUMP TO THE PRE-FILLED CYLINDER THAT’S GOING TO BE TESTED

STEP 3 OPEN “PURGE VALVE” ON THE CYLINDER TO PURGE AIR

STEP 4 OPEN WATER VALVE ON YOUR PUMP, AND WHEN WATER STARTS TO FLOW OUT OF THE “PURGE VALVE” ON THE CYLINDER CLOSE THE “PURGE VALVE”

STEP 5 INCREASE THE PRESSURE GRADUALLY UNTIL IT REACHES THE MINIMUM TEST PRESSURE OF THE CYLINDER (*SEE THE REQUIRED PUBLICATION(S) FOR TEST CRITERIA OF CYLINDER*)

STEP 6 STOP PRESSURE AND HOLD PRESSURE FOR 30 SECONDS OR LONGER (*SEE THE REQUIRED PUBLICATION(S) FOR TEST CRITERIA OF CYLINDER*)
HOW TO READ THE GAUGE

- LOCATE THE NEEDLE,
- FIND THE MIRROR THAT IS LOCATED ON THE OUTER EDGE OF THE DIAL FACE
- NOW LINE UP THE NEEDLE WITH ITS OWN REFLECTION, BY MOVING YOUR HEAD UP/DOWN LEFT/RIGHT UNTIL THE NEEDLE AND THE REFLECTION OF THE NEEDLE ARE PERFECTLY LINED UP AS ONE.

STEP 7 LEAK TEST AND VISUALLY INSPECT THE CYLINDER AT THE TEST PRESSURE (*SEE THE REQUIRED PUBLICATION(S) FOR TEST CRITERIA OF CYLINDER*)

STEP 8 RELEASE THE PRESSURE BY OPENING “PURGE VALVE” ON CYLINDER AND TURN OFF THE WATER VALVE ON YOUR PUMP

STEP 9 RECORD YOUR TEST RESULTS EXAMPLE BELOW:

10													
Date	1	2	3	4	5	6	7	8	9	Visual Insp.		11	12
Cyl.Owner	Serial No.	Mfg. Date	Gas Service	MFG ID	Size Dia	Hgt	DOT Spec & Service Pressure	Test Pressure	Pass	Fail	Disposition Code	Retest Operator	
Joe's Garage	X1234	3/99	Nitrogen	AMEREX	5.5"	x 24"	DOT4B195	390	X		A	JP	
Notes: 13													

There are no formulas in Proof Testing. The requirement is to hold the pressure for a minimum of 30 seconds and observe the cylinder for any bulging or leaking. There are no expansion values to record.

- DATE:** Date by month, day & year that test is performed
- OWNER:** Owner of the cylinder
- SERIAL NO:** Insert serial no. of cylinder
- Manufactures date:** Date cylinder was manufactured
- Gas Service:** Gas inside cylinder
- MFG ID:** Identify by symbol or name the manufacturer of the cylinder
- SIZE:** Physical size (dia x length) of cylinder
- DOT/ICC or Exemption Classification:**
List Full DOT/ICC rating and service pressure,
Example: DOT 3AL1800, DOT E7235 4500, etc...
- Test Pressure** that cylinder has been tested to
- Check if cylinder passed or failed **visual inspection**
- Insert **Disposition Code(s)** listed at bottom of test record form
- Name** or initials of the retest operator
- Insert any **notes** that pertain to the test

TROUBLESHOOTING

PRESSURE LOSS	LEAK IN CONNECTIONS, LOOK FOR WATER ON ANY AND ALL PRESSURE COMPONENTS
CANNOT ACHIEVE 1% DURING VERIFICATION	ADJUST GAUGE(S) TO “TRUE ZERO” FROM CALIBRATION CERTIFICATE GAUGE(S) ARE OUT OF TOLERANCE NEEDS TO BE RECALIBRATED
GAUGE DOES NOT COME BACK TO “TRUE ZERO” AFTER RELEASING PRESSURE	WATER SUPPLY IS ON, PRESSURE SNUBBER (FOR HIGH PRESSURE) OR PULSATION DAMPNER (LOW PRESSURE) CLOGGED NEEDS CLEANING OR REPLACEMENT
REFEREE GAUGE PRESSURIZES EVEN AFTER I CLOSE THE ISOLATION VALVE.	ISOLATION VALVE IS NOT FULLY CLOSED OR NEEDS REPLACING

MAINTENANCE

GAUGE(S)	NEED TO BE RECALIBRATED WORKING GAUGES EVERY 6 MONTHS REFEREE GAUGES ONCE A YEAR
ISOLATION VALVE	REPLACE AS NEEDED
SNUBBER/DAMPNER	REPLACE AS NEEDED
HOSE	REPLACE AS NEEDED

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PARTS

PART NO.	DESCRIPTION
140-018	1100PSI GAUGE
140-005	1500PSI GAUGE
140-001	11000PSI GAUGE
140-044	PULSATION DAMPENER FOR LOW PRESSURE (1100PSI AND 1500PSI)
240-076	SNUBBER FOR HIGH PRESSURE (11000PSI)
200-130	HOSE
120-083	ISOLATION VALVE
120-018	SAFETY FOR 1100 PSI GAUGES
120-019	SAFETY FOR 1500PSI GAUGES
120-112	SAFETY FOR 11000 PSI GAUGES

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HYDRO-TEST PRODUCTS, LLC TERMS AND CONDITIONS:

DEFINITIONS: As stated herein:

The term "Seller" or "Manufacturer" shall mean Hydro-Test Products, LLC., the warranting party.

The term "Buyer" shall mean the person(s) or entity that purchases the product from the Seller.

The term "timely inspection" shall mean the Buyer(s) inspection five (5) day period to inspect the product upon receipt of the product and report any product damage(s) as described in the WARRANTY section to the freight carrier that delivered the product.

The term "product(s)" shall mean any and all products, parts, equipment, major equipment, or any other purchase made from Hydro-Test Products, LLC.

PRICES: ALL PRICES LISTED ARE IN U.S. DOLLARS. ANY PRICES LISTED ARE SUBJECT TO CHANGE WITHOUT NOTICE.

MINIMUM BILLING: MINIMUM BILLING IS \$25.00, exclusive of freight charges.

TERMS: • NET 30 DAYS TO PRE-ESTABLISHED ACCOUNTS • DISCOUNTS ARE OFFERED FOR PRE-PAYMENT • MASTER CARD - VISA AND AMERICAN EXPRESS ARE ACCEPTED. SELECTION AND USE OF CREDIT CARD FOR PAYMENT WILL INCUR AN ADDITIONAL 3% PROCESSING FEE.

EXPORT TERMS: PAYMENT IN U.S. DOLLARS WITH CHECK OR DIRECT TRANSFER. C.I.F. PROFORMA QUOTATIONS UPON REQUEST.

SHIPPING: ALL SALES ARE F.O.B. STOW, MA., AND BECOME PROPERTY OF THE BUYER UPON SHIPMENT. ALL SHIPMENTS ARE MADE BY THE MOST ECONOMICAL MEANS AS DETERMINED BY HYDRO-TEST PRODUCTS, LLC. PREMIUM FREIGHT (UPS AIR, FEDERAL EXPRESS, ETC...) SERVICE IS MADE AVAILABLE TO ESTABLISHED ACCOUNTS; OTHERWISE, CARRIER ACCOUNT NUMBER MUST BE SUPPLIED FOR FREIGHT BILLING. OTHER CHARGES: APPLICABLE TAXES (MA.), SPECIAL PACKAGING, EXPORT DOCUMENTATION, PREMIUM FREIGHT OR OTHER UNIQUE CHARGES ARE PAYABLE BY THE BUYER.

RETURNS: CONTACT HYDRO-TEST PRODUCTS, LLC PRIOR TO MAKING ANY RETURNS FOR R.A. #, AND INSTRUCTIONS. UNLESS OTHERWISE STATED IN THE QUOTATION, A MINIMUM RESTOCKING CHARGE OF 15% APPLIES TO ALL SALEABLE GOODS ACCEPTED AS AN ACCOMMODATION TO THE BUYER. UNAUTHORIZED RETURNS WILL NOT BE ACCEPTED. RETURNS ARE TO BE MADE TO: HYDRO-TEST PRODUCTS, LLC., 85 HUDSON ROAD, STOW, MA. 01775.

LIMITED WARRANTY: HYDRO-TEST PRODUCTS, LLC WARRANTS THAT ALL MERCHANDISE IS FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP WHEN SHIPPED FOR A PERIOD OF TWELVE (12) MONTHS ON MAJOR EQUIPMENT, AND THIRTY (30) DAYS ON CONSUMABLE REPLACEMENT COMPONENTS (I.E. VALVES, SEALS, HOSES, QUICK COUPLERS, ADAPTERS, ETC...), AND THOSE COMPONENTS ON MAJOR EQUIPMENT UNDER NORMAL USAGE.

FOR EQUIPMENT OR ITEMS NOT MANUFACTURED BY HYDRO-TEST PRODUCTS, LLC., THE ORIGINAL MANUFACTURERS WARRANTY SHALL BE IN EFFECT.

IT IS THE RESPONSIBILITY OF THE BUYER TO INSPECT THE PRODUCT WITHIN FIVE (5) DAYS OF RECEIPT OF THE PRODUCT, THIS INCLUDES ANY HIDDEN DAMAGE TO THE PRODUCT, AND THE BUYER UPON TIMELY INSPECTION SHALL REPORT KNOWN DAMAGE TO THE FREIGHT CARRIER. ALL WARRANTY WORK IS ON A FOB ("FREE ON BOARD") STOW, MASSACHUSETTS. BASIS AND EXCLUDES ANY / ALL FREIGHT SHIPPING COSTS. THERE ARE NO ADDITIONAL IMPLIED WARRANTIES AND IN NO EVENT WILL HYDRO-TEST PRODUCTS, LLC. BE LIABLE FOR INCIDENTAL OR COINCIDENTAL DAMAGES.

VOID WARRANTY: ALL WARRANTIES ARE VOID IF DUE TO SELLER MISUSE, OR WITH ANY ALTERATION, OR ACCIDENTAL DAMAGES TO THE MANUFACTURER'S PRODUCT(S).

CHOICE OF LAW: All legal disputes shall be resolved through binding arbitration in accordance with the laws of the State of Massachusetts, U.S.A.

DISCLAIMER: Seller is not responsible for ensuring Buyer is up to date and attending required regulatory training or safety training for use of proper use of the equipment or the products sold to Buyer. Buyer is solely responsible for scheduling Buyer's own training and ensuring that Buyer is competent with the current laws and regulations of the product(s) or equipment purchased and competent on use of the equipment and/or product(s) and competent to recognize the need for additional parts or products for updating purchased product(s) and equipment to meet ongoing updated federal and state regulations.

INDEMNITY AND HOLD HARMLESS:

BUYER HEREBY AGREES TO INDEMNIFY, HOLD HARMLESS, AND DEFEND HYDRO-TEST PRODUCTS, LLC., ITS EMPLOYEES, HEIRS, ASSIGNS, AND ANY RELATED COMPANY IN PRIVITY WITH HYDRO-TEST PRODUCTS, LLC, FOR THE BUYER'S MISUSE OF THE EQUIPMENT; FAILURE TO UNDERSTAND, ACKNOWLEDGE, AND IMPLEMENT THE CURRENT FEDERAL REGULATIONS FOR ANY AND ALL PRODUCTS PURCHASED FROM HYDRO-TEST PRODUCTS LLC, INCLUDING DISTRIBUTION OF THE SAME; FAILURE TO ATTEND AND SCHEDULE REQUIRED FEDERAL DEPARTMENT OF TRANSPORTATION HAZMAT TRAINING AND REGULATORY INSTRUCTION OF ANY AND ALL PRODUCTS PURCHASED FROM HYDRO-TEST PRODUCTS, LLC; OR TO COMPLY WITH ANY OTHER FEDERAL REGULATORY DEPARTMENT. BUYER AGREES THAT IN NO EVENT SHALL HYDRO-TEST PRODUCTS, LLC BE LIABLE FOR PUNITIVE, SPECIAL, DIRECT, INDIRECT, INCIDENTAL, ACTUAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND, INCLUDING BUT NOT LIMITED TO LOSS OF USE, LOSS OF PROFIT OR REVENUE, LOSS OF GOOD WILL, OR OTHER COMMERCIAL LOSS INJURY WHETHER OR NOT HYDRO-TEST PRODUCTS, LLC HAS BEEN ADVISED OR OTHERWISE PUT ON NOTICE OF THE POTENTIAL FOR SUCH DAMAGES. HYDRO-TEST PRODUCTS, LLC SHALL NOT BE LIABLE FOR BUYER MISUSE, OR BUYER OR USER ALTERATIONS OF THE PRODUCTS; OR LACK OF EDUCATION TO PROPERLY AND SAFELY USE EQUIPMENT IN ACCORDANCE WITH THE EQUIPMENT HANDBOOK AND FEDERAL AND STATE REGULATORY REQUIREMENTS. MOREOVER, SELLER SHALL NOT BE RESPONSIBLE FOR THE BUYER'S FAILURE TO RECOGNIZE THE NEED FOR ADDITIONAL EQUIPMENT TO KEEP THE MAJOR EQUIPMENT AND MACHINES UP TO CURRENT REGULATORY CODE AND TO COMPLY WITH UPDATED AND NEW REGULATORY RULES AND REGULATIONS FOR ANY AND ALL TESTING REQUIREMENTS OR GUIDELINES. BUYER ACKNOWLEDGES THAT THE BUYER IS SOLEY RESPONSIBLE AND SOLEY LIABLE FOR ITS SAFE AND PROPER LEGAL USE OF THE EQUIPMENT IT PURCHASES FROM SELLER. FURTHER, BUYER HEREBY AGREES TO INDEMNIFY AND HOLD HARMLESS, AND DEFEND HYDRO-TEST PRODUCTS, LLC FOR ANY LOSS OR INJURIES CAUSED BY THE INSTALLATION OR USE OF PRODUCTS.

ARBITRATION: BY BUYING EQUIPMENT FROM HYDRO-TEST PRODUCTS, LLC. THE BUYER ACCEPTS THE TERMS AND AGREES TO BINDING ARBITRATION SUBJECT TO AND IN ACCORDANCE MASSACHUSETTS LAW, U.S.A, UNLESS BUYER OBJECTS TO ARBITRATION IN WRITING TO SELLER WITHIN 10 DAYS OF A PURCHASE FROM BUYER.

THIS AGREEMENT SHALL APPLY TO ANY AND ALL PRODUCTS PURCHASED FROM HYDRO-TEST PRODUCTS, LLC AND THIS AGREEMENT SHALL BE IN FULL EFFECT UPON THE PURCHASE OF ANY AND ALL PRODUCTS PURCHASED FROM HYDRO-TEST PRODUCTS, LLC.

Training Requirements for U.S. Department of Transportation

In the USA, any employer / employee who performs re-qualification testing on DOT specification or DOT exemption / special permit cylinders is classified as a Hazmat employee.

The employer shall ensure that each Hazmat employee is trained to be knowledgeable of applicable hazardous materials and regulations.

Effective October 1, 1995 (and within three-year intervals thereafter) those who perform hydrostatic test on DOT cylinders must be fully trained, tested and certified.

Training is required covering a wide range of occupational duties, including (but not restricted to) handling, recharging, transportation, etc... of hazardous materials. Our training relates only to the hydrostatic testing of cylinders when re qualified in accordance with 49CFR §180 Subpart C.

Training may be provided by the Hazmat employer or other public or private sources.

Hazmat training shall include:



- General awareness & familiarity training
- Safety Training
- Function specific training
- Security awareness training
- In-Depth Security awareness training (in some instances)

Initial training is required within 90 days of an employee assuming the Hazmat task(s). During the 90 days the trainee can work under the direct supervision of a properly trained Hazmat employee.

Subsequent training must be provided at least once every three years.

Training Opportunities Offered by Hydro-Test



Hydro-Test offers 4 options for training to meet DOT requirements for cylinder re-qualifiers under §172.704 of the 49CFR:

	Includes	
	Operational	Hazmat
At our facility in Stow, Massachusetts	X	X
At your facility	X	X
Zoom over the internet	X	X
On-line course		X
Mail out training guide		X

All of the Hydro-Test Training includes the required components for Hazmat Training for cylinder re-testers. Training at our location and your location also includes hands on operational training.

email: training@hydro-test.com for a detailed quotation for desired training option

Please visit www.tc.gc.ca for Transport Canada (TC) training requirements. To re qualify cylinders in Canada, or operate outside of Canada and be TC certified, an inspection of your facility is required after equipment is installed & operational and TC training has been completed.

 *Thank You* 
For Your Business!



Contact Us

Department	Telephone	Email
Customer service / Order desk	800-225-9488 x10	sales@hydro-test.com
Accounting department	800-225-9488 x12	accounting@hydro-test.com
General inquiries	800-225-9488 x10	sales@hydro-test.com
Training department	800-225-9488 x14	training@hydro-test.com
Technical support with equipment	800-225-9488 x18	support@hydro-test.com



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