



## RECORTTEST OPEN TEST SYSTEM

### INTRODUCTION:

The Recortest Open is a proven computer controlled hydrostatic test system designed for those facilities requiring fast, accurate testing of compressed gas cylinders up to 10,000 psi test pressures. The Recortest Open is available in a one or two jacket configuration.

### SEMI - AUTOMATED TESTING:

The Recortest Open provides greater productivity and accuracy than is possible with manual cylinder testing equipment because of the inherent features that comprise the system. Each step of the test process has been automated to save time:

- Data entered by keyboard to validate each test by cylinder type.
- One single keystroke starts/completes the entire test.
- Operator is free to perform other tasks or prepare a second jacket for the next test.
- Pass/Fail results are immediately calculated and displayed.
- Test results are stored on the hard drive, and printed out on a Daily Test Log.

As a result, the Recortest/Open delivers affordable speed, accuracy, and simplicity of operation. Test results are no longer subject to operator interpretation or writing errors.

### DESIGNED FOR SPEED AND ACCURACY

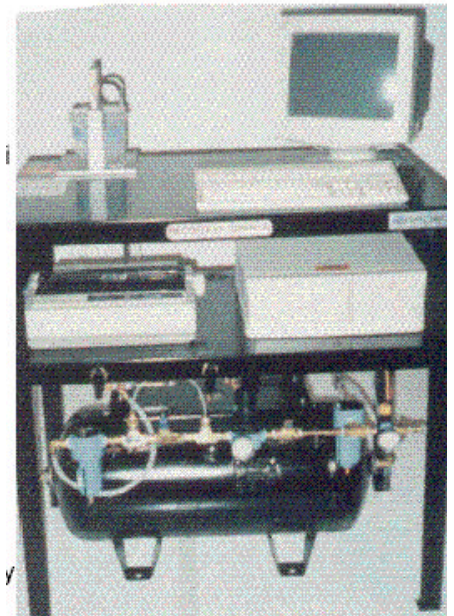
Each component of the Recortest/Open Test System has been carefully designed to reduce the time required to perform one or more steps of the requalification procedure. The Recortest/Open will test up to 15 medium sized cylinders per hour when manned by one skilled operator.

### SET-UP AND TRAINING

With all services and equipment in place to required specification, the Recortest/Open Test System is can be set-up in one day with the assistance of a Galiso Service Tech, followed by two days of operator training. The Recortest/Open control computer guides the operator through each step of the test procedure with clear, easy to understand instructions.

### SYSTEM FEATURES:

- Pentium based PC, Color Monitor, Dot Matrix Printer
- Electronic Expansion Measuring System
- Tests Pressures up to 10,000 psi
- Expandable Cylinder Code Table for Quick Entry
- Automatic Expansion Calculations
- Printed Test Log
- Tests up to 15 Cylinders per hour
- Tests Steel, Aluminum, Composite and Exemption Cylinders
- High Pressure Cylinder Testing
- Full time Customer Service for Hardware and Software Support.



### STANDARD OPTIONS:

- A two jacket option is available to make your system flexible for accurate testing of varying size cylinders.
- The Recortest / Open Low Pressure Test Console is specially equipped for LP applications only.

EUROPEAN SALES & SERVICE COORDINATORS FOR  GALISO PRODUCTS

• The Recortest / Open Test System offers a selection of EEMS (Electronic Expansion Measuring System) to allow for the measurement of larger volume expansions on large cylinders, (i.e. one ton containers). Call our sales representative for more information at +44 1444 248884

**SPECIFICATIONS:**

- Dimensions:** 740 x 1020 x 1425 ( 29" L x 40"W x 56"H)
- Electrical Requirements:** 3 Amps @ 220/240 Volts 50 Hz.
- Air Requirements:** 7 - 8.5 bar (110-120PSI), 10 CFM
- Water Requirements:** 12 LPM @ 4 bar (60 PSI)

**TEST SYSTEMS RESULTS REPORT**

Test Results are no longer subject to operator interpretation. The Recortest automatically determines if each cylinder passes or fails, and notifies the operator if a cylinder must be retested or rejected.

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**RTD# PRESSURE CYLINDER REJECT REPORT**

PPF - Pass Visual, Passed X Perm, Passed REE      PFW - Failed Visual, Abort X Perm, Abort REE      PFF - Pass Visual, Pass 100 Perm, Fail REE  
 PAB - Pass Visual, Abort X Perm, Abort REE      PFB - Pass Visual, Fail X Perm, Abort REE

DOT/CTC Registration #???

Test Date: 12/05/2001      OPERATOR SIGNATURES: *[Signature]*      DATE: 12-5-01

I hereby certify that all the following tests were made under my supervision and in accordance with DOT/CTC regulations.

Test #	Time	Operator	Serial #	Cylinder Size	Gas Service	Cylinder No. Data	Rating	Pressure Test (Actual)	Test Time	Total	Perms	Expansion	REE Source	Disposition	Remark
1	09:20	DU	RTD11002563	CAL-CYL			3AA6000	3000 PSI	2018 30	51.0	0.0	1.0 53.0	100.0	PPF	TEST
2	09:23	DU	RTD11002563	CAL-CYL			3AA6000	3000 PSI	2023 30	51.0	0.0	1.0 53.0	100.0	PPF	TEST
3	09:22	DU	RTD11002563	CAL-CYL			3AA6000	3000 PSI	1020 30	51.0	0.0	1.0 53.0	100.0	PPF	TEST
4	09:24	DU	RTD11002563	CAL-CYL			3AA6000	3000 PSI	1017 30	52.8	0.0	1.0 52.8	100.0	PPF	TEST
5	09:25	DU	RTD11002563	CAL-CYL			3AA6000	3000 PSI	3015 30	51.8	0.0	1.0 52.8	100.0	PPF	TEST

**RECORTEST TEST REPORT**

At the end of a test period, the Recortest Printer will print a test report, which includes test specifications and results for each cylinder tested. A sample copy of the Recortest Test Report is shown to the right. Specifications for each cylinder tested include the cylinder serial number, size, rating manufacture, date of manufacture, cylinder service, capacity, test pressure, test duration, reject elastic expansion, REE Source, and a fifteen-character remark. Test results for each cylinder include the total expansion, permanent expansion, percent permanent expansion, elastic expansion and a disposition code that indicates the status of the cylinder at the end of the test. Test reports may be printed at the end of each work period, stored for a longer period of time and printed later, or archived to another media.

# HYDROSTATIC INFORMATION REQUEST FORM

Dear Customer,

Thank you for inquiring about our test systems. We ask you for the following information to properly quote a system specific to your needs. If you have any questions while answering, please call our office at +44 1444 248884 and ask for our Sales Department. Upon completion, please fax this document to us at +44 1444 242767 or email us at [Galiso@bancroft.co.uk](mailto:Galiso@bancroft.co.uk).

YOUR COMPANY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

**ARE YOU PRESENTLY USING A HYDROSTATIC TEST SYSTEM? PLEASE TELL US!**

MANUFACTURER: \_\_\_\_\_ MODEL: \_\_\_\_\_ YEAR INSTALLED: \_\_\_\_\_

TEST JACKET(S): DIAMETER: \_\_\_\_\_ LENGTH: \_\_\_\_\_

YOUR PIT DIMENSIONS ARE: LENGTH: \_\_\_\_\_ WIDTH: \_\_\_\_\_ DEPTH: \_\_\_\_\_

CURRENT MAX NUMBER OF CYLINDERS TESTED PER HOUR: \_\_\_\_\_ PER MONTH: \_\_\_\_\_

PROJECTED MAX NUMBER OF CYLINDERS TESTED PER MONTH, 5 YEARS FROM NOW: \_\_\_\_\_

**CHECK EACH OF THE FOLLOWING CYLINDERS THAT YOU WILL BE TESTING:**

<input type="checkbox"/> OXYGEN	<input type="checkbox"/> MEDICAL "D & E"	<input type="checkbox"/> FIRE EXTINGUISHER:
<input type="checkbox"/> SCUBA	<input type="checkbox"/> ARGON	<input type="checkbox"/> CO2
<input type="checkbox"/> SCBA	<input type="checkbox"/> PROPANE	<input type="checkbox"/> HALON
<input type="checkbox"/> CO2	<input type="checkbox"/> FREON	<input type="checkbox"/> OTHER: (Please Specify Below)
<input type="checkbox"/> N2	<input type="checkbox"/> CHLORINE	<input type="checkbox"/>

CYLINDER DIAMETER: SMALLEST: \_\_\_\_\_ LARGEST: \_\_\_\_\_

CYLINDER HEIGHT: SHORTEST: \_\_\_\_\_ TALLEST: \_\_\_\_\_

TEST PRESSURES (PSI): LOWEST: \_\_\_\_\_ HIGHEST: \_\_\_\_\_

CYL. EXPANSION (CC): MINIMUM: \_\_\_\_\_ MAXIMUM: \_\_\_\_\_

CYLINDER THREADS ARE: TAPERED: \_\_\_\_\_ STRAIGHT: \_\_\_\_\_

CYLINDER NECK INNER DIAMETER: 1/2": \_\_\_\_\_ 3/4": \_\_\_\_\_ 1": \_\_\_\_\_

**DO YOU HAVE:** 180°F WATER HEATER INSTALLED? \_\_\_ CAPACITY IN GALLONS: \_\_\_\_\_

COMPRESSOR? MAXIMUM PSI: MAXIMUM CFM: \_\_\_\_\_ HORSEPOWER: \_\_\_\_\_

YOUR CURRENT ELECTRICAL SUPPLY? AMP: \_\_\_ VOLT: \_\_\_\_\_ PHASE: \_\_\_\_\_ CYCLE: \_\_\_\_\_

ARE THERE ANY RADIO OR TELEVISION TOWERS WITHIN 1/2 MILE RADIUS OF YOUR FACILITY?

Yes/No

THE HEIGHT FROM THE BOTTOM OF THE CEILING STRUCTURE (STEEL BEAM)

TO THE FLOOR? \_\_\_\_\_

THE TOTAL DIMENSIONS OF YOUR TESTING AREA: LENGTH: \_\_\_\_\_ WIDTH: \_\_\_\_\_

YOUR SIGNATURE:

DATE:

**Upon completion, please fax to +44 1444 242767.**

Or call us on +44 1444 248884 Thank you!