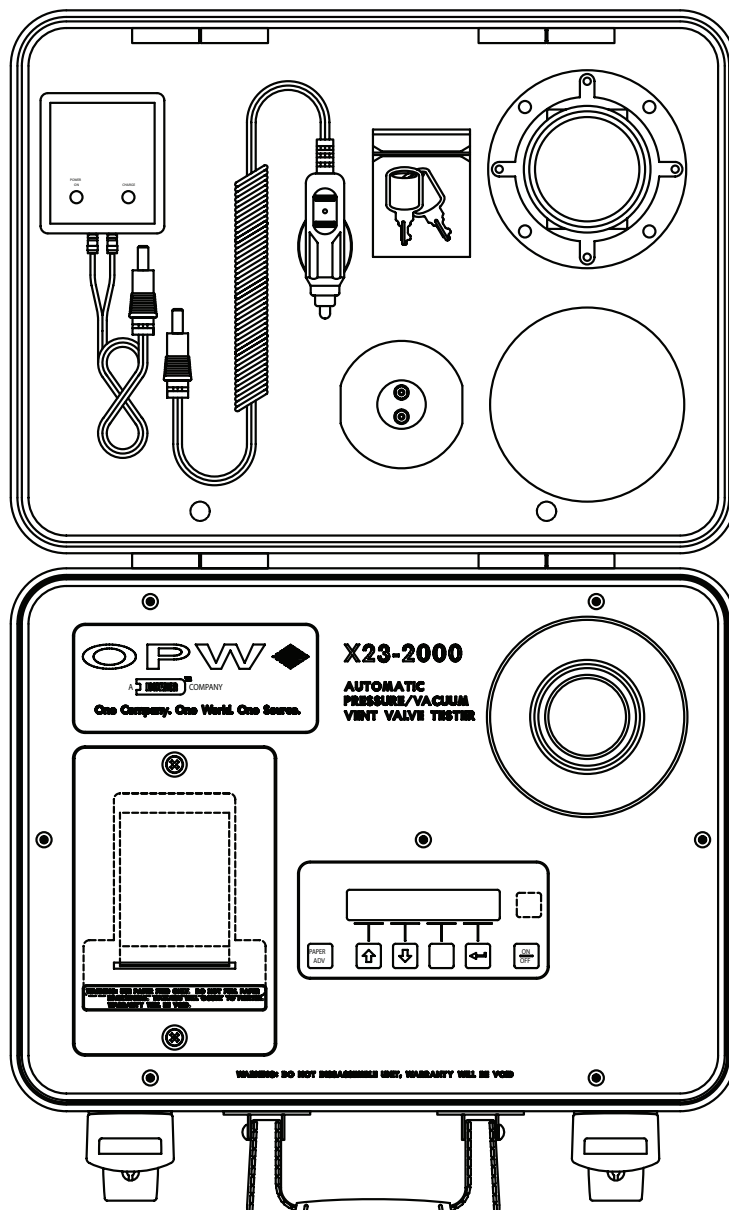


IMPORTANT INFORMATION - FOLLOW ALL INSTRUCTIONS

OPW X23-2000 PV Valve Tester

Basic Operating Instructions

- 1) **Before Testing a Valve:**
 - a) Open Unit, press ON/OFF button
 - The display will start. UPPER case commands are at top of screen.
 - Lower case legends at bottom of screens describe button functions.
 - b) When the screen reads "SELECT FUNCTION"
 - Options are:
 - "Test" - Test a valve
 - "Integ" - Run an Integrity Test (checks for leaks in tester)
 - "Verf" - Run a verification test (not used at this time)
 - "Util" - Utilities
 - * Adjust the display contrast
 - * Add 1 day grace period to six month calibration cycle (once)
 - c) If first usage of the day:
 - press "Integ", follow instructions. After opening tester case, remove panel in top half of case to access integrity test cap (white plastic).
 - If the test passes, normal valve testing can occur.
 - If the unit fails, the readings will be inaccurate and the unit should be sent back to OPW for repair.
- 2) **To test a PV Valve:**
 - a) Press "Test"
 - There are 3 options:
 - * "Evr" for valves complying with CARB Enhanced Vapor Recovery
 - * "PreEvr" for CARB approved valves to pre-EVR standards
 - * "Field" for setting up non-CARB valve limits for leakage & cracking
 - b) Select the valve type to be tested
 - * (an adaptor for older valves is in the accessory area)
 - c) Press "Start": Tester will automatically run leakage & cracking tests.
 - d) The results will be printed and limits shown for each test.
- 3) **If the printer paper jams, remove the printer cover and re-seat the paper roll onto the spool centers. The printer uses standard 2 1/4 inch calculator paper. Do NOT pull the paper through the printer. Use the "PAPER ADV" button.**
- 4) **Charging the Battery:**
 - a) The AC plug-in charger will charge the internal battery over night. The battery will last for at least 50 tests or 2 months.
 - b) For mobile use when the battery is low, the unit can be run with the 12V car adapter





X23-2000 PV TESTER SET UP AND CALIBRATION

0-00000-XX
February 2008
info@opw-fc.com

OPW STANDARD PRODUCT WARRANTIES

NOTICE: FlexWorks by OPW, Inc., VAPORSAVER™ and all other OPW products must be used in compliance with all applicable federal, state, provincial and local laws, rules and regulations. Product selection must be based on physical specifications and limitations, compatibility with the environment and material to be handled. All illustrations and specifications in this literature are based on the latest production information available at the time of publication. Prices, materials and specifications are subject to change at any time, and models may be discontinued at any time, in either case, without notice or obligation.

OPW warrants solely to its customer that the following products sold by OPW will be free from defects in materials and workmanship under normal use and conditions for the periods indicated:

Product	Warranty Period
FlexWorks Primary Pipe	10 years from date of manufacture
All Products Certified to California 2001 Standards*	1 year from date of manufacture or from date of installation registration (not to exceed 15 months from date of manufacture)
All other Products	1 year from date of manufacture

* Products certified to California 2001 Standards will have an OPW registration card enclosed/attached to the product.

OPW's exclusive obligation under this limited warranty is, at its option, to repair, replace or issue credit (in an amount not to exceed the list price for any defective product) for future orders for any product that may prove defective within the applicable warranty period (repairs or replacements are subject to prorated warranty coverage for remainder of the original warranty period). Complete and proper warranty claim documentation and proof of purchase required. All warranty claims must be made in writing and delivered during the applicable warranty period to OPW at P.O. Box 405003, Cincinnati, Ohio 45240, Attention: Customer Service Manager. No products may be returned to OPW without its prior written authority.

This limited warranty shall not apply to any FlexWorks or VAPORSAVER™ product unless it is installed by an OPW attested installer. This limited warranty also shall not apply to any FlexWorks, VAPORSAVER™ or other OPW product: unless all required site and warranty registration forms are completed and received by OPW within 60 days of installation; unless all piping connections are installed with a nationally-recognized or state-approved leak detection device in each tank and dispenser sump (which are not for storage and from which all discharge hydrocarbons must be removed, and the systems completely cleaned, within 24 hours); unless testable sumps utilize FlexWorks pipe and access fittings; unless a sump inspection log or an EPA recommended/required checklist is maintained and the results are furnished to OPW upon request; and unless OPW is notified within 24 hours of any known or suspected product failure and is provided with unrestricted access to the product and the site. This limited warranty also shall not apply to any product which has been altered in any way, which has been repaired by anyone other than a service representative authorized by OPW, or when failure or defect is due to: improper installation or maintenance (including, without limitation, failure to follow FlexWorks Quick Reference Manual Installation Guide and all product warning labels); abuse or misuse; violation of health or safety requirements; use of another manufacturer's, or otherwise unauthorized, substances or components; soil or other surface or subsurface conditions; or fire, flood, storm, lightning, earthquake, accident or any other conditions, events or circumstances beyond OPW's control.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND ALL OTHER WARRANTIES INCLUDING, WITHOUT LIMITATION, THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXCLUDED. OPW shall have no other liability whatsoever, whether based on breach of contract, negligence, gross negligence, strict liability or any other claim, including, without limitation, for special, incidental, consequential or exemplary damages or for the cost of labor, freight, excavation, clean-up, downtime, removal, reinstallation, loss of profit, or any other cost or charges. No person or entity is authorized to assume on behalf of OPW any liability beyond this limited warranty. This limited warranty is not assignable.

! IMPORTANT

if leakage or damage is detected in any part of the piping system (either by inspection of the sump, a leak detector, or similar monitors), the problems are to be immediately investigated by the site operator.

if leakage or damage to the piping system is verified, PISCES™ by opw must be notified.
ignoring or disabling leak detection alarms may lead to further damage and possible failure.



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