

Kosan Crisplant's electronic leak detectors and valve testers perform tests on LPG cylinder valves. The cylinders are approved or rejected according to preset permitted values.

- Provide maximum safety
- Fully automatic test with same sorting limit
- Eliminate human errors
- Detect all kinds of leak around the valve
- Check the valve form (centre valves only)
- Flexible for all types of valves
- Flexible for all cylinder diameters and heights
- Easy installation in existing plants
- Minimum space requirements
- Competitive price

Your benefits

- Safe cylinders to your end-users
- 100% test – all filled cylinders are tested
- Savings on manpower thanks to automatic sorting of cylinders with unapproved valves
- Easy to use calibration tools and procedure

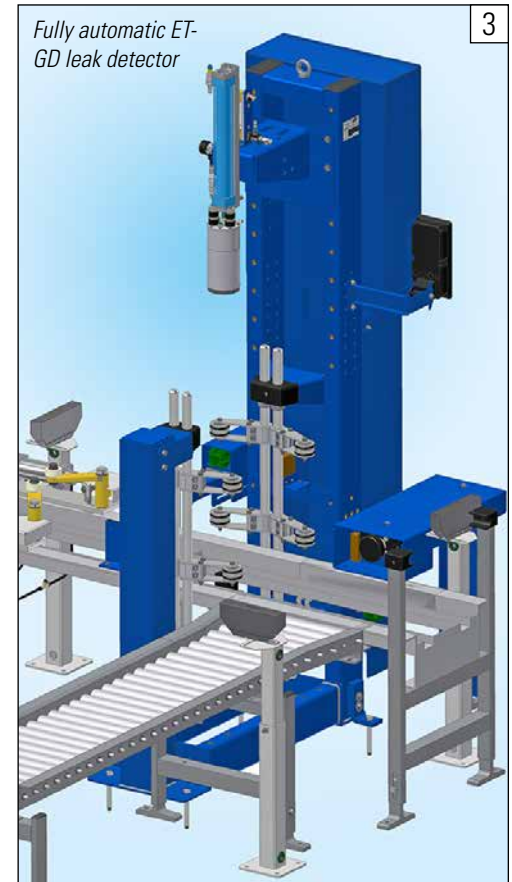
Test cylinder for calibration purposes



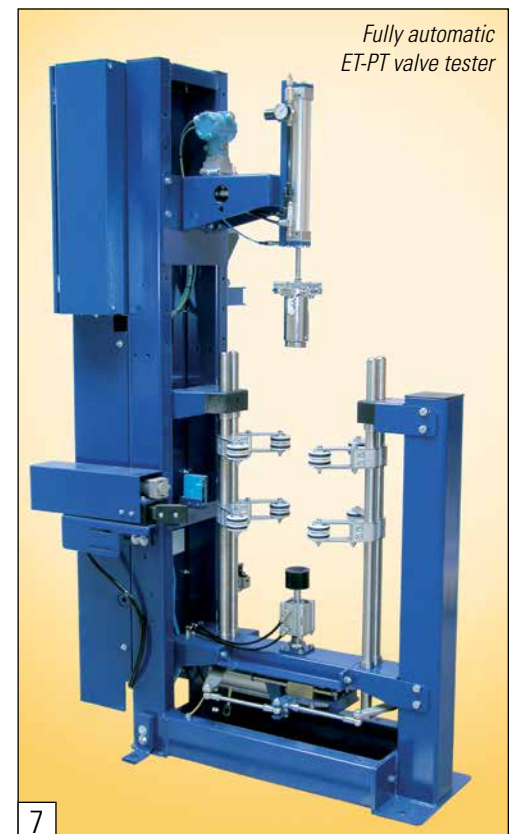
CIR test head with built-in gas detector with infrared radiation



Pressure sensor/transmitter



Fully automatic ET-GD leak detector

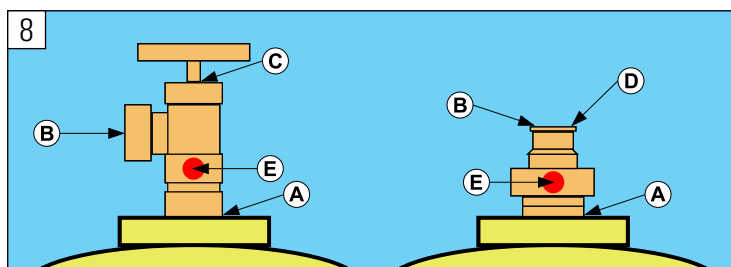


Fully automatic ET-PT valve tester

- Easy adjustment and maintenance
- Low power consumption
- Air service unit with extra filters to eliminate pollution in pneumatic air supply
- Minimum maintenance
- Easy to set up: all necessary software is installed in the HMI/CUC controller
- Easy to use: clear text display and sturdy keyboard
- Ready for integration in fully automatic filling system
- Ready for communication with PC for data collection

Your possibilities

- Test heads designed for all types of valves
- Testing principle according to valve type and testing area on valve: gas analysis principle (leak detectors) or pressure rise/drop principle (valve testers)
- Manually operated model for installation (1) stationary on floor, (2) by a chain conveyor or (3) by a roller conveyor. Available with gas analysis principle. Manually height adjustable.



Testing areas for screw valves (POL valves):

- A** Leaks from the threaded joint between the cylinder and the valve
- B** Leaks from the valve seat (with closed valve)
- C** Leaks from the valve spindle (with open valve with nut/plug)
- E** Leaks from the safety valve, if any

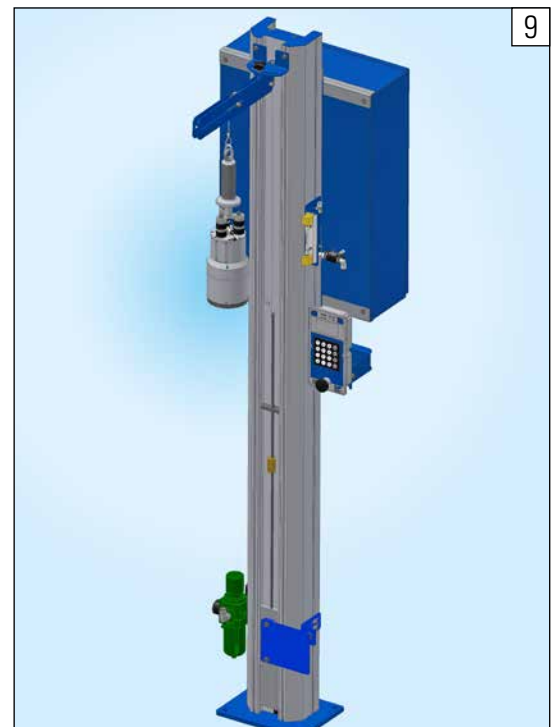
Testing areas for centre valves (self-closing valves):

- A** Leaks from the threaded joint between the cylinder and the valve
- B** Leaks from the valve seat
- D** Leaks from the regulator gasket
- E** Leaks from the safety valve, if any

- Fully automatic model for installation in-line in chain conveyor. Performs test on all cylinders. Available with gas analysis principle or pressure rise/drop principle. Manual change of test head for test of different valves. One- or two-headed machine. For one fixed cylinder height. Manually or automatically height adjustable
- Calibration and test equipment available on demand

Your safety

- Ex marking according to the ATEX Directive and applicable EN standards: $\text{CE} \text{ (Ex)} \text{ II 2G Ex h IIB T3 Gb}$
- All electronic leak detectors and valve testers are intended for operation in hazardous areas classified as Zone 1 or Zone 2 according to EN/IEC 60079-10-1
- All electronic leak detectors and valve testers are designed and validated in accordance with a certified ISO:9001 quality management system; furthermore, they are designed according to all relevant requirements set out in applicable EU Directives



Manually operated ET-GD leak detector



Fully automatic, two-headed ET-GD leak detector. Low model without height adjustment.