A NEW BENCHMARK FOR SAFETY

Triple Fail Safe-No. 1
Penetrometer Safety Cap

In case of operator error, this device prevents the penetrometer or rod being released from port unintentionally.

Triple Fail Safe-No. 2
Interlock on Locking Cap

Verifies that capacitance detector is installed on low-pressure port, automatically suspends run, and permits user to check filling of the penetrometer prior to run.

Triple Fail Safe-No. 3
System Pressure Vent on Manifold

Works in concert with Cap interlock to automatically vent system pressure if above ambient pressure and error condition is detected.

Mercury Collection Trays

Safe collection of mercury for disposal in the case of compromised penetrometer seals or operator error resulting in broken penetrometers.

Mercury Temperature Sensor

The ability to set a temperature limit in manual mode allows the display of a warning message if the temperature is exceeded.
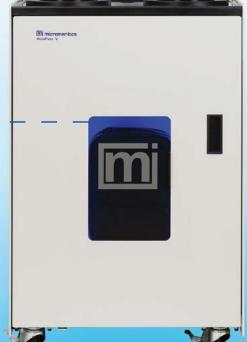
Mercury Vapor Detection Device

Hand held device to check localized mercury vapor levels that exceed defined safety limits. Portable device allows point checks at the instrument or any location within the lab exposed to mercury.

Mercury Vapor Capture Filter

Affixed to vacuum pump, this filter prevents release of mercury vapors. This is a superior solution to cold trap dewars used in competitive instruments, particularly if the cryogen level is insufficiently maintained.

Improved Mercury Funnel Design

Attached screw cap and funnel-shaped opening eliminates mercury contamination and possible drip spillage associated with separate detached filling funnel. Attached screw cap prevents loose cap and possible vapor release.

Software Control for Fine Powder Samples

Prevents fine powder from accidental aspiration into low-pressure ports during analysis by using intelligent evacuation controlled by sample type.

micromeritics
AutoPore V