Basic operation of the leak detector

Preliminary about C 60 & C 61

The operation of the leak detector is explained in **C 60** and **C 61**.

■ If the factory configuration does not need to be changed, please read this chapter.

■ If operator needs more information or needs to change the factory configuration, he must read this chapter and **C 61** where the following points are explained:

- ➪ hard vacuum test mode (information)
- ➪ selecting a test mode (adjustment)
- ➪ sniffer probe (information)
- ➪ sniffer probe reject point (adjustment)

Factory configuration **C 10**

Two test methods are possible with the leak detector:

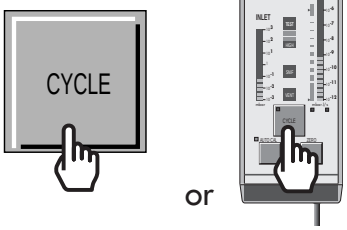
- ➪ **hard vacuum test**
- ➪ **sniffing test.**

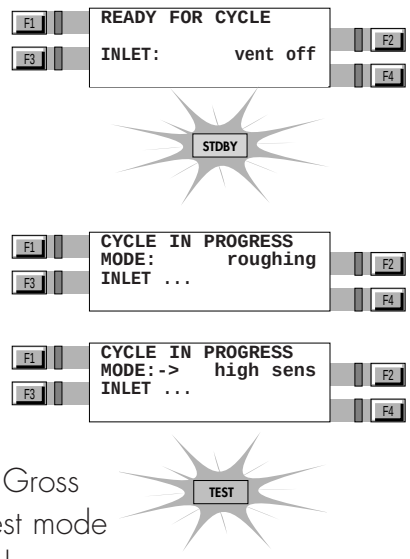
Hard vacuum test

Make sure that the parts can withstand the difference in internal / external pressure to which they are subjected.

Starting a test cycle

■ Connect the part or the installation to be tested to the inlet port of the leak detector.





The leak detector reaches the Gross Leak test mode, the Normal test mode or the High Sensitivity test mode according to test mode selection.
The digital display shows the leak value.

GB 01362 - Edition 01 - December 01

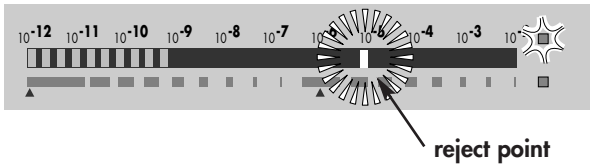
Basic operation of the leak detector

Leak value on digital display

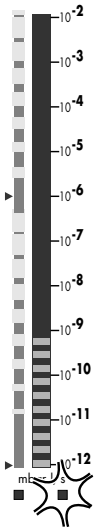
Whatever the test mode.

Leak value on analog display

Control panel



Remote control



The helium signal analog scale displays the leak value in 2 colors following the measured leak value:

➪ reject point is visualized by a blinking led.

➪ if the leak value exceeds the reject point, the leds will turned red (the blinking led will turn orange).

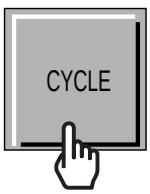
➪ if the leak value remains under the reject point, the leds will remain green.

When the bargraph zoom is ON, the leak value display is different. It shows 2 decades of signal as compare to the entire leak range when the bargraph zoom is off.

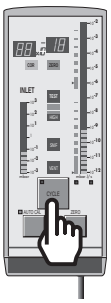
Bargraph zoom C 90

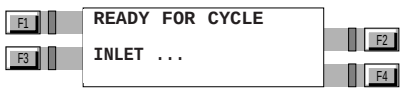
Reject point C 100

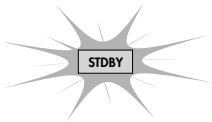
Ending a test cycle



or







In standby the digital display shows the leak detector helium background.

Remark: If Cycle end function is activated, the test cycle end is different.

Cyle end function C 110

Venting the part or installation tested

At the end of a test cycle, 2 possibilities are available:

➪ venting (inlet of the leak detector is back to atmospheric pressure)

➪ not venting (keeping under vacuum) the part or tested installation remains under vacuum.

Vent air C 80

GB 01362 - Edition 01 - December 01

Basic operation of the leak detector

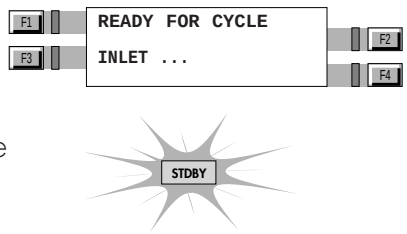
Sniffing test

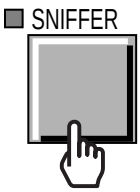
Reminder ***Operating principle of the control panel*** C 20

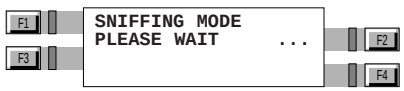
Press the key — activated

Starting a sniffing test

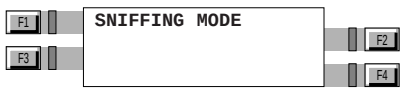
While the leak detector is in stand-by mode, connect the sniffer probe (accessory to be purchased separately) to the sniffer port of the leak detector.







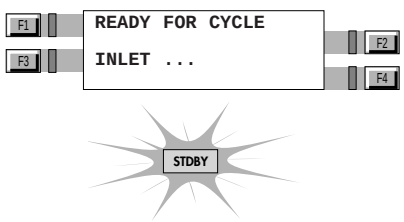
The sniffing mode message appears on the alphanumeric display.
The sniffing test mode is operational.



Leak value display

Digital and analog displays are the same in hard vacuum and sniffing test modes.
Please refer to hard vacuum test mode for the displays.

Ending a sniffing test



GB 01362 - Edition 01 - December 01