

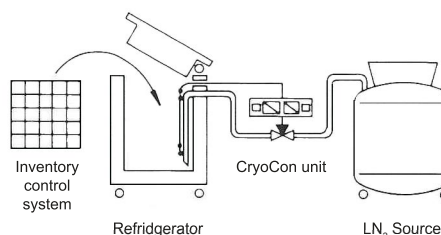


Mowden M505 automatic filling unit



CryoCon automatically monitors and controls the level of liquid nitrogen. The CryoCon controller comes with an array of features and options for flexibility in the combinations of vessels, in the choice of liquid nitrogen supply and controls and in the programming and documentation through a PC or a computer.

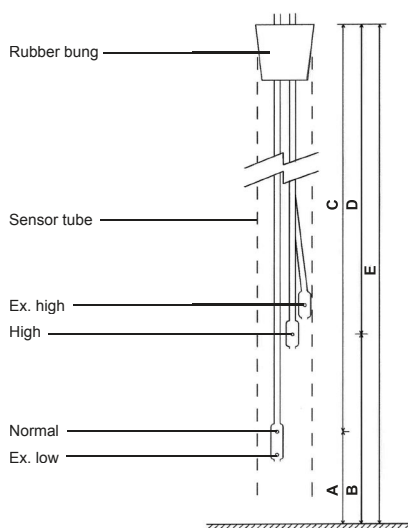
System layout



PRODUCT SPECIFICATIONS

CryoCon AFT-3L

Features		
• Level display	• Manual filling	• Automatic defogging when lid is open
• Level monitoring and automatic refilling	• Data logging with serial port for PC/printer for temperature, level, alarm, filling activity, etc.	• Quick chill when lid is closed
• Temperature display	• Simultaneous or sequential filling in the case of multiple installations	• Password-controlled access and programming
• Temperature control	• Connection for centralized gas bypass control	• Update of controller software through PC and Cable
• Alarms for high temperature, level, sensor fault, low nitrogen supply, open lid, unauthorized acces		• Updated software can be forwarded by e-mail or CD
Options		
• RS 485 interface	• 4-20 mA, 0-2 and 0-10V interface for temperature recording	• CryoData PC software
• Gas bypass individual		• PC/Printer cable



To set sensor positions

- 1 Decide on low and high liquid levels (distances 'A' and 'B')
- 2 Measure distance 'E' from the top of the sensor tube to the base of the vessel
- 3 Set distance 'C' = (E - A)
- 4 Set distance 'D' = (E - B)

Measure distances to thermistor beads. These should be clearly visible in their pods.

Level measurement

If level is to be displayed in use distances in use distances 'A' and 'B' in the setup procedure.

A = Normal sensor level

B = High sensor level

B - A should be 5 cm minimum