

COLD FILTER PLUGGING POINT AUTOMATIC TESTER WITH INTEGRATED COOLING (STAND-ALONE UNIT) ASTM D 6371 - IP 309 - EN 116 - EN 16329

The apparatus consists of a benchtop case containing the cooling compressor, the thermally insulated jacket and supporting the analytical head. An 8.4" touch screen interface on the front permits to control the instrument, retrieve and print data and calibrate the sensors. Two USB, serial and Ethernet connector on the rear panel allows the user to connect to printers or network: by using a wireless dongle it's possible to connect the instrument to any wireless network.



CFPP-60

- Enamel finished steel case, benchtop version.
- Insulated metal jacket conform to ASTM, IP, DIN, EN and ISO standard methods.
- One glass sample container conform to ASTM, IP, DIN, EN and ISO standard methods.
- Two models, one for jacket temperatures till -60°C (suitable for tests at standard temperature of -34 and -51°C) and one till -80°C (suitable also for -67°C tests) with $\pm 0.2^{\circ}\text{C}$ regulation accuracy. Both units are equipped with a patent-pending integrated cooling system based on thermoelectric cooling: in this way we have reduced dimensions, weight, power consumption, noise and heat dissipation making moreover the equipment more reliable since single-stage cooling compressors require much less maintenance if compared with cascade double-stage ones.
- Automatic determination of CFPP: sample temperature decrease is monitored by the software and vacuum applied every 1°C . Two IR photocells permit to measure CFPP during aspiration or release. Automatic selectable sample preheating. The equipment can run also tests acc. to EN 16329 (linear cooling bath).
- Temperature sensor: Pt100 RTD. Accuracy of temperature reading: $\pm 0.1^{\circ}\text{C}$.
- Filtration unit composed by 20 ml pipette, filter holder and 45 microns filter.
- 3-way solenoid valve for vacuum controlled by the software. Vacuum unit required if not already available.
- 8.4" touch screen interface that permits to introduce the analytical data, control the test and display the results. Tests can be run acc. to ASTM/IP/DIN/EN methods or to user defined methods. Software includes diagnose and calibration tools with all modern QC routines.
- Two USB, one RS-232 and one Ethernet connector for connecting to printers and network even through wireless dongles.
- English written user manual. CE marked.
- For 220 V/50 Hz connections: 500 W power consumption.
- Dimensions and weights (l x w x h): 350x700x700 mm, 40 kg (CFPP-60) and 400x750x750 mm, 50 kg (CFPP-80).

CFPP-60 Apparatus for tests at -34 and -51°C (jacket temperature)
 CFPP-80 Apparatus for tests tests at -34 , -51 and -67°C (jacket temperature)

ACCESSORIES

VAC01 Vacuum unit consisting of pump, air + water tank, U-tube gauge and flowmeter with tubing
 PRN01 Printer

CONSUMABLES

CFPP000 Test jar with 45 ml level mark
 CFPP021 O-ring for the test jar
 CPPP022 PT100 for the sample
 CFPP023 Set of photocells (two emitters and two receivers)
 CFPP024 Pipette
 CFPP025 Filter holder (without filter)
 CFPP026 Filter
 CFPP027 Vacuum adapter
 CFPP028 Pince

Specifications may vary without notice.

The apparatus includes the items listed aside the picture, accessories etc. should be purchased separately.



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