SPECIFICATION

	CFPP-A1	CP-A1
Methods	ASTM D6371, EN 16329, EN 116, IP 309	ASTM D2500, ISO 3015, IP 219, EN 23015, JIS K2269
Sample detection	IR sensors for lower and upper level, special design to prevent icing at low temperatures	an HD camera using an intelligent detection algorithm
Calibration	automatic calibration of sensors: sample temperature, bath and vacuum	automatic calibration of sensors: sample temperature, bath
Method configuration options	number of cooling "steps" temperatures of the "steps" of cooling aspiration time and frequency complex vacuum profile	number of cooling "steps" temperatures of the "steps" of cooling detection time and frequency complex vacuum profile
Vacuum	automatic vacuum control with the possibility of setting a complex profile	–
Cleaning	automatic vacuum control with the possibility of setting a complex profile	–
Bath temperature range	+65...-105 °C	
Cooling profile	stepwise or linear cooling method	
Temperature measurement	Pt100, Class A, automatic identification and loading of calibration parameters	
Custom functions	7-inch color touchscreen display memory for 2000 experiments the ability to export data to LIMS the ability to connect a keyboard and mouse the ability to connect a barcode scanner	
Power	100-240 V, 50/60 Hz, 300 W	
Dimensions WxDxH, mm	240×500×400	
Weight	25 kg	
Connections	1 × Ethernet, 4 × USB, Wi-Fi	
Accessories	metal sample temperature sensor, printer, barcode scanner	

Due to the constant developments in the analyzers construction, technical characteristics may change without prior notice.

DISTRIBUTOR

MANUFACTURER

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CF.3.23.1

Sk Участник
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TECHNO

CP-A1
CFPP-A1

Automatic analyzers for determining:

cloud point

ASTM D2500
EN 23015
ISO 3015
IP 219
JIS K2269

cold filter plugging point

ASTM D6371
EN 16329
EN 116
IP 309

FRESH SOLUTIONS FOR YOUR LAB

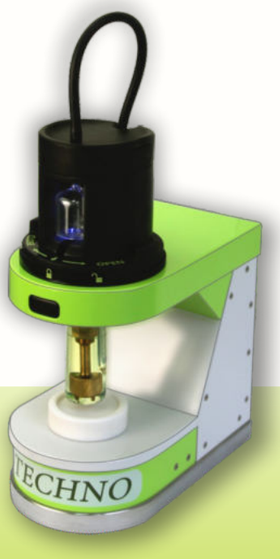
- **Innovative cooling system that does not require an external cryostat**
- **Intelligent test head recognition system with automatic loading of calibration data**
- **The ability to set the temperature directly for quick access to the mode before starting the test**
- **Integrated sample defrosting system at the end of the analysis to reduce the preparation time for the next test**
- **Separate test head flushing unit**
- **Automatic flushing of the filter using a special mode**
- **Automatic calculation of convergence of results**
- **The ability to create custom test programs**
- **Linear and staged methods of sample cooling**
- **Remote firmware update, data export to LIMS over Ethernet network**
- **Suitable for use in mobile laboratories**

The test module recognition system

The device identifies the test module and automatically loads the calibration parameters, eliminating operator error. Intuitive temperature and vacuum calibration procedures allow for self-recalibration, which increases test accuracy.

Saving working time

CFPP-A1 has minimal downtime. The prepared second test unit with a filter is placed in the device and the next test starts within seconds. Parallel washing of the test module by means of an additional flushing station and analysis reduces time costs, increasing labor productivity.



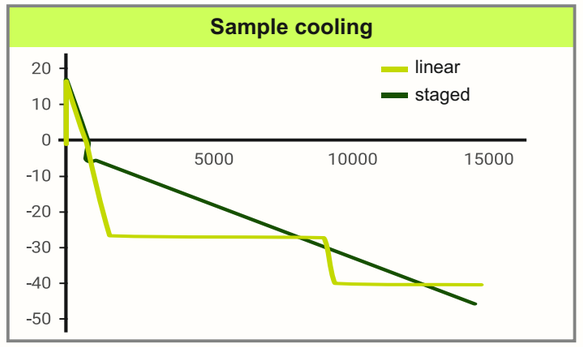
To save even more working time, the device independently thaws the sample at the end of the experiment by means of built-in heating elements.

Self-contained cooling system that does not require an external cryostat

The cooling system is compact, integrated into the device, meets all the requirements of the standards and does not require maintenance throughout the entire life of the device.

Methods for cold filter plugging point determination

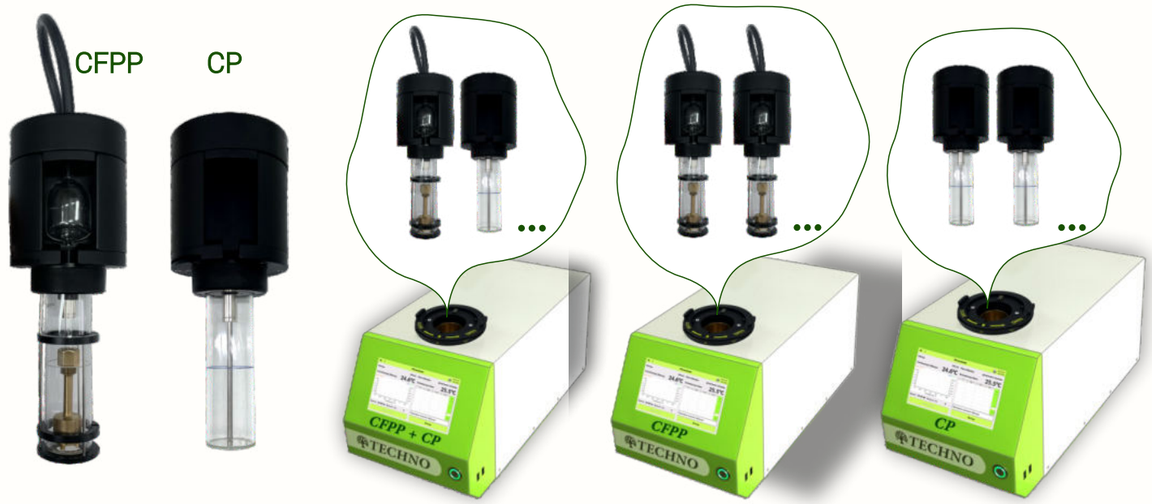
The CFPP-A1 and CP-A1 analyzers are supplied with pre-programmed standard test methods.
For research purposes, both the use of proprietary methods and their storage in the analyzer's memory are provided.



Linear and staged methods of sample cooling

In addition to the stepwise cooling method, the CFPP-A1 and CP-A1 analyzers allow the use of the EN 16329 linear cooling method, which is included in the European Diesel Fuel Specification EN 590 and acts as an alternative method to En116.

Suitable for use in mobile laboratories



**The cooling base unit allows for sequential testing according to two standards: CFPP+ CP or according to the same standard: CFPP or CP.
At the same time, the number of test heads is unlimited.**

If you already have a CFPP device in your laboratory, then to perform turbidity tests, you need to purchase a CP test head, thus expanding the capabilities of the device.

Integrated data processing system and color touchscreen display

The large color display shows the temperature of the sample and the cooling bath in real time, as well as additional graphical information about the suction and the duration of the reverse flow of the sample to monitor the temperature change of the sample during the test.

CFPP-A1 and CP-A1 store the results of 2000 tests in memory and have a USB storage device for exporting the analysis results in Excel or PDF format. To ensure greater operational flexibility and efficient use of the instrument, the filter test unit can be easily disassembled for cleaning and quickly reassembled for the next test.

This procedure is necessary and meets the requirements of standard methods, it allows you to check the cleanliness and dryness of all elements to obtain accurate results.