

Cold Filter Plugging Point Process Analyzer CFPP-4

Credible Solutions for the Oil and Gas Industry



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To remain competitive, today's refiners must employ all optimization and product control techniques available. The use of online physical property analyzers is one of the key features to reach those objectives because they measure important quality properties in the process directly.

The cold filter plugging point (CFPP) is the lowest temperature at which diesel and domestic heating fuels will pass through a filter in a given time when cooled under certain conditions. CFPP is supposed to give an estimate for the lowest temperature at which these fuels will flow in fuel systems without problems. This temperature is important especially in cold temperature regions where high CFPP of diesel fuel could result in clogging up vehicles' fuel systems.

Application

The BARTEC BENKE Cold Filter Plugging Point Process Analyzer CFPP-4 is a system for the fully automatic determination of the cold filter plugging point of diesel and domestic fuels. The CFPP-4 allows diesel fuel producers to optimize the use of cold flow additives that allows spreading the usage of winter grade diesel at temperatures below the cloud point. Besides the step-cooling procedure the CFPP-4 also offers linear sample cooling.

Benefits

- The only ASTM compliant CFPP process analyzer
- Identical test mesh filter as used in the laboratory
- Stepped and linear cooling
- Network and fieldbus communication



Special Features

Visible function cycles by using a measuring cell made of plexiglass/glass

Optimized assembly – easy removal of complete cell

No paraffin-adhesions on test mesh filter by flushing with preheated sample

No correlative measurement, but exact reconstruction of cycles as described in ASTM D6371

Identical test mesh filter as used in laboratory method

Possibility to shorten cycle time by:

- Switching between summer and winter setting
 - Reading cloud point value (if available)
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Integrated failure diagnosis and self monitoring

Available communication interfaces:

- Modbus/RTU, Modbus/TCP (bidirectional)
 - Remote access via Ethernet (VDSL or FOC is)
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Validation report for quality assurance

Freely programmable digital and analog inputs

Norms and standards

Compliant with:

- ASTM D6371
 - DIN EN 116
 - IP 309
 - EN 16329
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Choose BARTEC also for:

- Fast Loop Systems
- Sample Conditioning Systems
- Validation Systems
- Recovery Systems
- Chillers
- Air Conditioning Systems/HVAC
- Pre Commissioned Analyzer Shelters/Turn-Key Solutions

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