

icountBSplus

Bottle Sampler for Water-Glycol

When the operation of your safety critical assets is in question, predictive maintenance is an essential part of any monitoring programme.



Onboard or in the lab monitoring

The proven success of Parker's icountBSplus together with specific requirements in industries such as offshore, has resulted in the development of a CE compliant water-glycol option. A unique and complete solution providing customers with laboratory quality fluid bottle sampling using proven on-board, laser based technology.

In applications where water glycol based fluids are used offshore; such as Blowout Preventers (BOPs), Crown Mounted Compensators (CMCs) and Riser Tensioner Systems, fluid cleanliness is critical to both safety and uptime. The icountBSplus provides on-the-spot analysis, allowing personnel to make confident, informed maintenance decisions without needing to wait for a laboratory service. When the question is "do we go or not?" the answer is simple - icountBSplus water-glycol.

Contact Information:

Parker Hannifin
Hydraulic Filter Division Europe

**Condition Monitoring Centre
Thetford, Norfolk, UK**
For more information contact:
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www.parkerhfde.com



Product Benefits:

- Improve safety: avoid contaminated fluids damaging assets by making it quick and simple to check cleanliness.
 - Reduce risk: test as frequently as required to 'catch' sudden changes.
 - Improve maintenance planning: by removing the wait time between sampling and obtaining results.
 - Take the tough decisions with confidence: Nearly 3 decades of Parker experience in fluid condition monitoring gives you laboratory grade results, where you need them, when you need them!
- Reduce human error: the icountBSplus is simple to use, with multiple language, touch-screen guides to help the user.
 - Peace of mind; Tested using all common oil and gas industry water-glycol fluids including: **MacDermid Oceanic HW443, HW540. Erifon HD603HP and Erifon 818. Castrol - Transaqua range. Pelagic 100. Haughton Aqualink 300F.**

icountBSplus Water-Glycol

The icountBSplus Water-Glycol is built to ensure a long and trouble free operating life. Its robust moulded enclosure will withstand constant use and is easy to clean. For optimum operational flexibility the icountBSplus can be powered either via an internal rechargeable lithium ion battery, or direct from a mains supply.

Product features include:

- Repeatability and re-producible result performance to ISO4406:1999, NAS1638, AS4509E and GOST 17216:2001 (Differential and Cumulative) particle count distributions.

- CE compliant.
- On-board compressor and 'shop' air capability.
- Optional on-line fluid measurement.
- Calibration to ISO procedures.
- 8 fixed channel size analysis.
- Integrated relative humidity moisture sensor.
- Optimised, pre-set flush and a fixed test volume.
- Software integrated specific test protocols/best practice procedures needed for reproducibility of test results.
- Power-saving sleep mode with integrated wake up/power button.



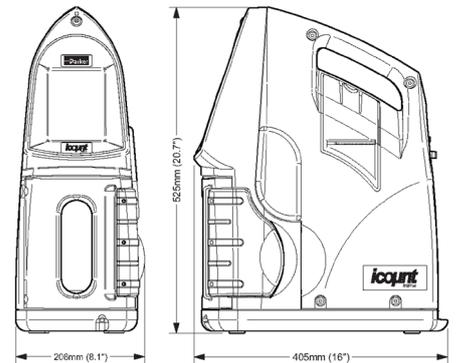
BOP - safety critical and operationally dependent upon clean fluids

Technical Specifications

Feature	Specification
Principle of operation	Laser diode optical detection of actual particulates
Dimensions	H 530mm x W 210mm x D 410mm
Weight	18kg
International codes	ISO 7 to 21, NAS 0 to 12
Contamination standards	MTD : ISO 4406:1999; NAS 1638; AS4059E (Differential); AS4509E (Cumulative)
Calibration	MTD : via a certified primary ISO 11171 automatic particle detector using ISO 11943 principles, with particle distribution reporting to ISO 4406:1999
Recalibration	Contact Parker Hannifin Manufacturing (UK) for advice
Fluid compatibility	The icountBSplus Water-Glycol has been tested using Oil and Gas industry water-glycols including: MacDermid Oceanic HW443, HW540. Erifon HD603HP & Erifon 818. Castrol - Transaqua range. Pelagic 100 and Haughton Aqualink 300F. Contact Parker Manufacturing for advice on other fluids.
Fluid management	Optimised, pre-set flush and a fixed test volume
Working pressure	3 bar maximum input pressure, if used on-line. Contact Parker Hannifin for further advice
Flow range through icountBSplus	Test: 60ml/min fixed
Fluid sample temperature	+5°C to +30°C (41°F to 86°F)
Memory storage	500 tests (Integrated Warning Level)
Printer	Thermal dot line printer paper
Battery type	Lithium Ion polymer battery pack
Power requirements	Integrated supply into the icountBSplus unit
Certification	CE Certified. Supplied with EC Declaration of Conformity Certificate

Water-glycol fluids are used in numerous other industries and the development of the icountBSplus option is a direct result of Parker's experience and frequent requests from customers, end-users and technical specialists.

Specifications



Ordering Information

Key	icountBSplus Version		Options		Region	Part number
IBS	water-glycol full de-gas kit	4	Offline	100	Global	IBS4100
IBS	water-glycol (NO de-gas kit)	4	Offline	101	Global	IBS4101

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