

The importance of final polishing

Irrespective of the wash process you choose for your production facility, final polishing of biodiesel is essential to ensure that fuel, once washed, is free of solid contaminants, moisture, production and wash residues.

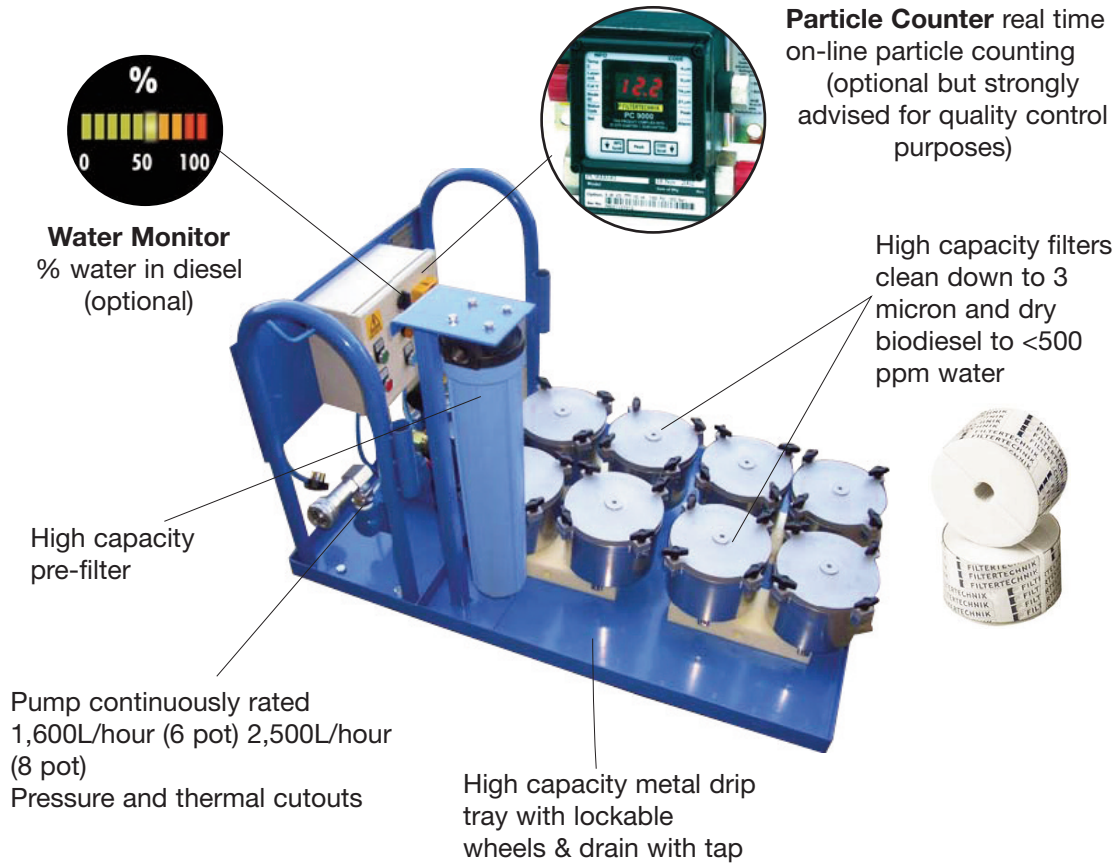
As the final step in the production process, it gives the producer total peace of mind that the fuel produced is clean and dry. Final polishing is a fundamental part of the overall production process and one that is far too frequently overlooked.

Final fuel quality and in-house quality control are key aspects in successful biodiesel production. Batch consistency and traceability is the main difference between successful and unsuccessful producers.

Final polishing is the last production stage in order to achieve stringent industry quality standards. Irrespective of the wash method used, final polishing is required to remove microscopic contaminants invisible to the naked eye, that could result in serious engine damage.

BD6000 Polishing Units

BD6000 portable Final Polishing Units can be fitted with optional on-line particle & water monitors. With a choice of 2, 4, 6 or 8 pots, these units have the capacity to meet your increased production volumes.



Filtertechnik Biodiesel polishing rigs

Model	Flow rate monitor	Dirt holding capacity	Water removal	Particulate counter	Water monitor	Voltage
BD6000-2	600L/hr	4kg	yes(1.5litres)	optional	optional	220/110VAC
BD6000-4	1200L/hr	8kg	yes(3.0litres)	optional	optional	220/110VAC
BD6000-6 (new)	1800L/hr	12kg	yes(4.5litres)	optional	optional	220/110VAC
BD6000-8 (new)	3000L/hr	16kg	yes(6litres)	optional	optional	220/110VAC
BD6000-6-PC (new)	1800L/hr	12kg	yes(4.5litres)	yes	yes	220/110VAC
BD6000-8-PC (new)	3000L/hr	16kg	yes(6litres)	yes	yes	220/110VAC

Above systems use SDFC(W) elements for biodiesel cleanup (see over). Filter down to 3micron.

Final polish / water removal options



New BD 5000

Our new low cost range of biodiesel polishing systems is now available, Final polish, water and particulate cleanup rig BD6000-2 4kg of particulate / 1.6L water, capacity per changeout 600L/hour

Part code	Description
BD-5000-2-240	2 pot 240 VAC 50 Hz
BD-5000-2-110	2 pot 110 VAC 60 Hz

** export voltages available as well as air driven options*



BD 6000-2

Final polish, water and particulate cleanup rig BD6000-2 4kg of particulate / 1.6L water, capacity per changeout 600L/hour

Part code	Description
BD-6000-2-240	2 pot 240 VAC 50 Hz
BD-6000-2-110	2 pot 110 VAC 60 Hz

** export voltages available as well as air driven options*



PC9000 particle counter optional extra

BD 6000-4

Final polish, water and particulate cleanup rig BD6000-2, 4kg of particulate / 1.6L water, capacity per changeout 600L/hour

Part code	Description
BD-6000-4-240	4 pot 240 VAC 50 Hz
BD-6000-4-110	4 pot 110 VAC 60 Hz
BD-6000-4-240-PC	4 pot 240 VAC, PC9000 fitted
BD-6000-4-110-PC	4 pot 110 VAC, PC9000 fitted

** export voltages available as well as air driven options*



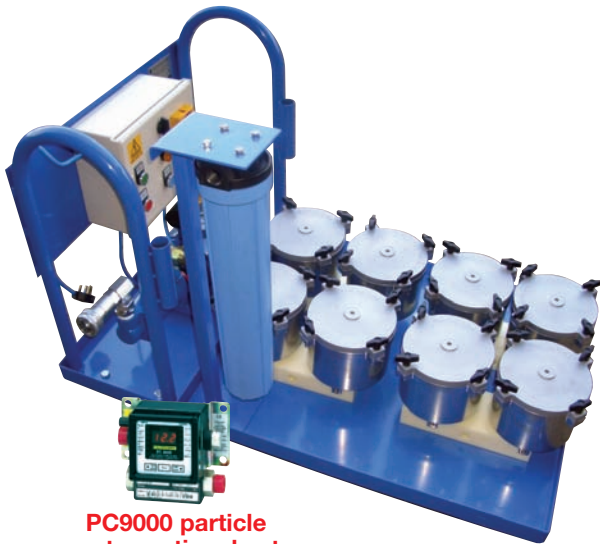
PC9000 particle counter optional extra

BD 6000-6

Final polish, water and particulate cleanup rig BD6000-6 12kg of particulate / 4.8L water capacity per changeout fitted with PC9000 particle counter as standard 1600L/hour

Part code	Description
BD-6000-6-240	6 pot 240 VAC 50 Hz
BD-6000-6-110	6 pot 110 VAC 60 Hz
BD-6000-6-240-PC	6 pot 240 VAC, PC9000 fitted
BD-6000-6-110-PC	6 pot 110 VAC, PC9000 fitted

** export voltages available as well as air driven options*



PC9000 particle counter optional extra

BD 6000-8

Final polish, water and particulate cleanup rig BD6000-8 16kg of particulate / 6.4L water capacity per changeout fitted with PC9000 particle counter as standard 3000L/hour

Part code	Description
BD-6000-8-240	8 pot 240 VAC 50 Hz
BD-6000-8-110	8 pot 110 VAC 60 Hz
BD-6000-8-240-PC	8 pot 240 VAC, PC9000 fitted
BD-6000-8-110-PC	8 pot 110 VAC, PC9000 fitted

** export voltages available as well as air driven options*

Larger units available on request

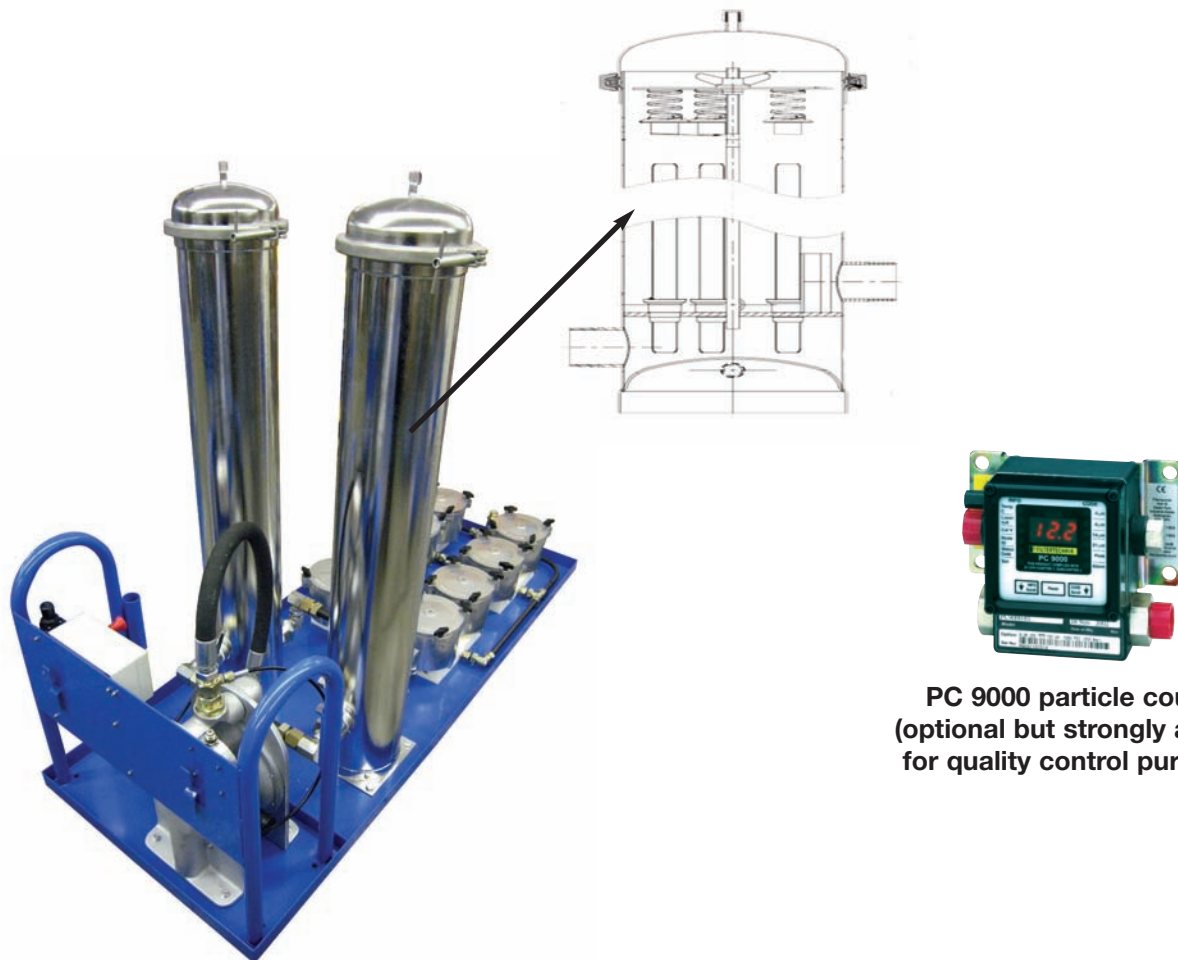
Larger volume systems

BD7000 Series: SupaPleat 2 high surface area systems

With flow rates of 7,200-14, 400 l/hr, these high performance final polishing systems are ideal for higher volume producers.

The BD7000 series will simultaneously remove solid contamination and residual moisture. Essential for end of production quality control.

All units can be fitted with on-line PC9000 particle counting systems for total peace of mind that your fuel is clean and dry!



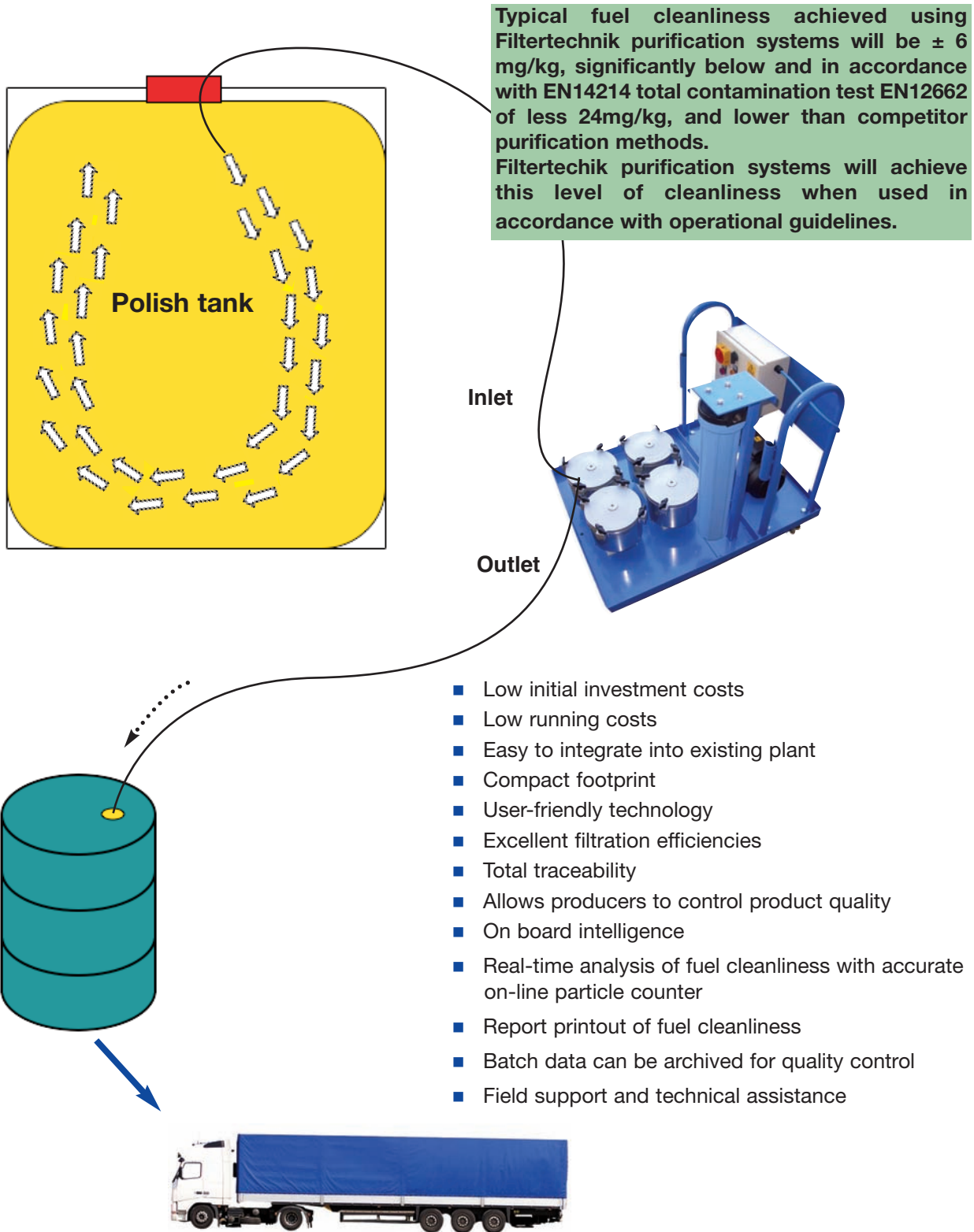
**PC 9000 particle counter
(optional but strongly advised
for quality control purposes)**

- High flow rates
- Maximum filtration efficiency
- 24kg dirt holding capacity
- High performance pre filtration system
- High performance moisture removal elements

Can't find anything suitable? Let us design a system to suit your requirements

Final Polish & Water Removal Systems

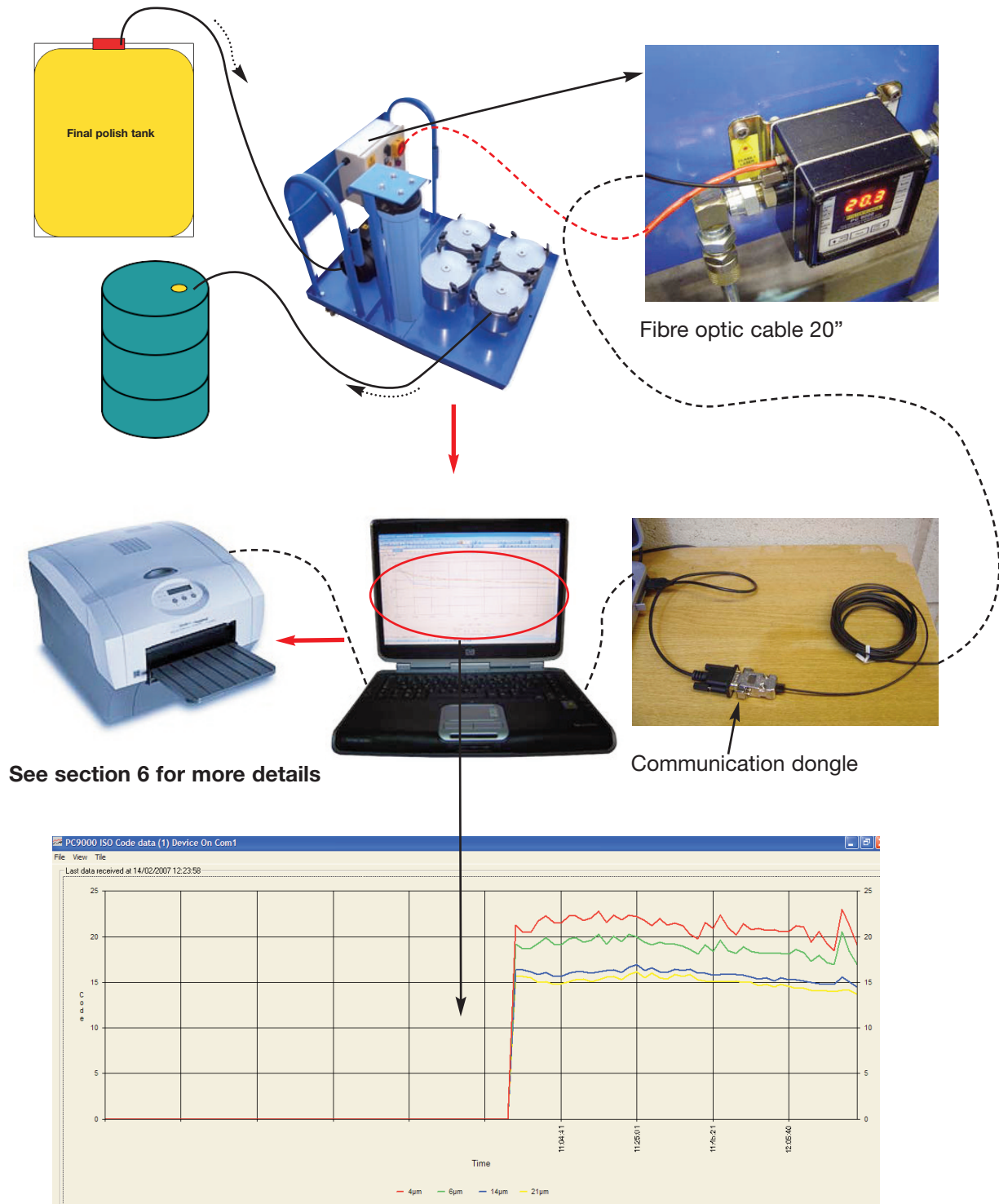
Final polishing is required to ensure that all traces of production residues and soaps are removed effectively. Irrespective of the wash method you employ, final polishing is the key to ensuring that your fuel is clean and dry!



Final polish systems are available in varying sizes to suit most production quantities

FINAL POLISH PROCESS

For total traceability and in-house quality control, the BD6000 can be equipped with the PC9000 particle counter:



See section 6 for more details

With a PC9000 particle counter fitted to the BD6000 final polishing unit, live cleanliness data can be viewed on your PC screen and archived in real-time. A sample flow is sent to the particle counter which in turn translates the overall level of contamination into an easily identifiable coding system.

The data is transferred across to the PC by a fiber-optic cable. The particle counter can view objects as small as 4 micron, so any contaminants still present in your fuel will be detected. Data can be archived in Excel and printed off when required.