

The logo for eQlyps, featuring the word 'eQlyps' in a white, sans-serif font. The letter 'Q' is stylized with a blue circular element on its left side.

The answer to total oil filtration

Enter



IOW Group

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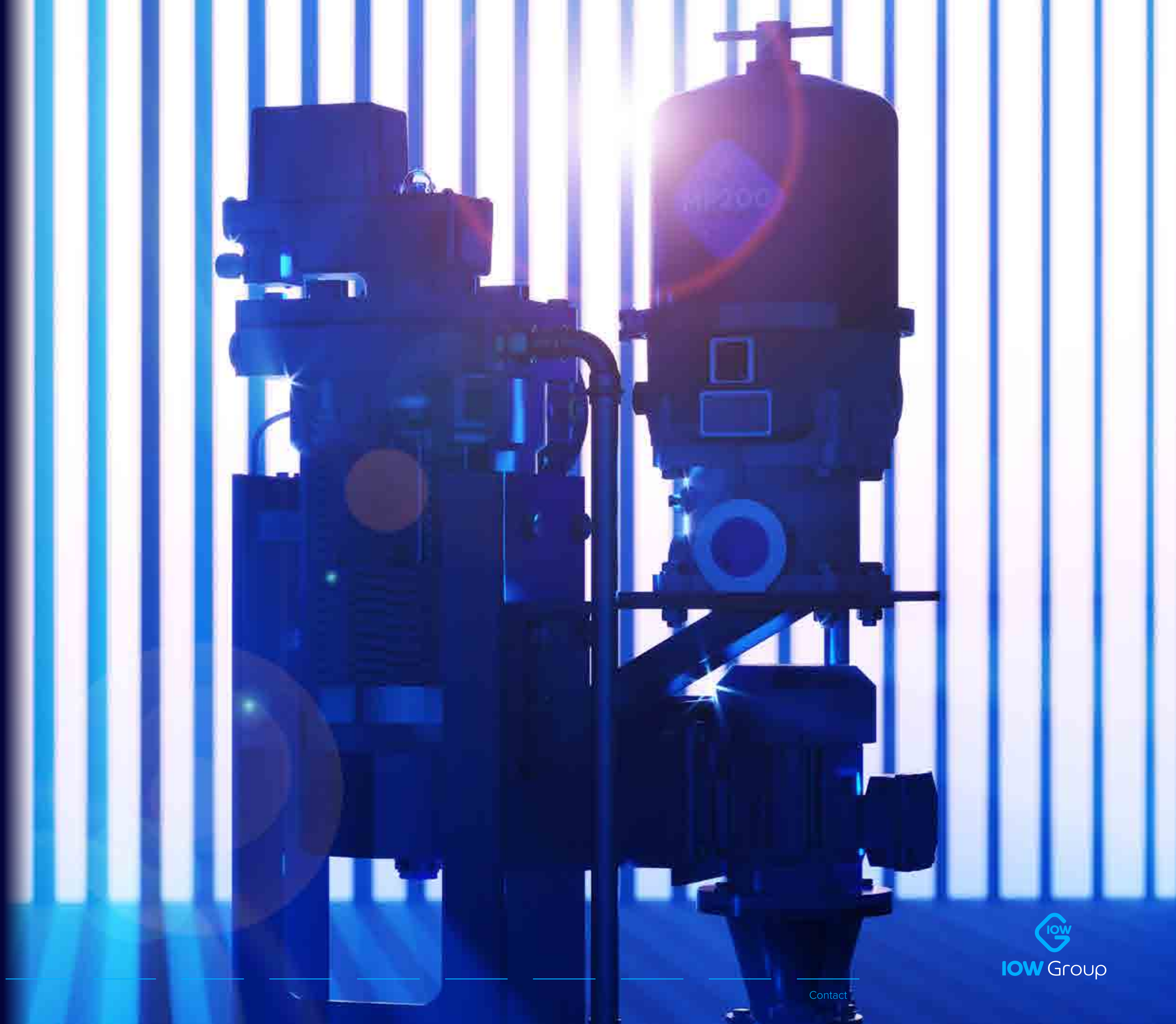
Help moving parts last longer

Reduce downtime

Removes particles down to 1 micron

The sustainable choice

Contact the IOW Group





Welcome to the new eQlyps.

This unique, complete oil filtration system provides a compact and monitored solution that will remove contaminants down to one micron from an engine's lubrication oil.

eQlyps is the new standard in oil filtration.

At the heart of eQlyps

the new IOW Group Q series backflushing filter.

Our new Q series backflushing filter is the next generation of backflushing filtration. It has been manufactured from stronger and more durable components to enhance its filtration capabilities.



Fully sealed

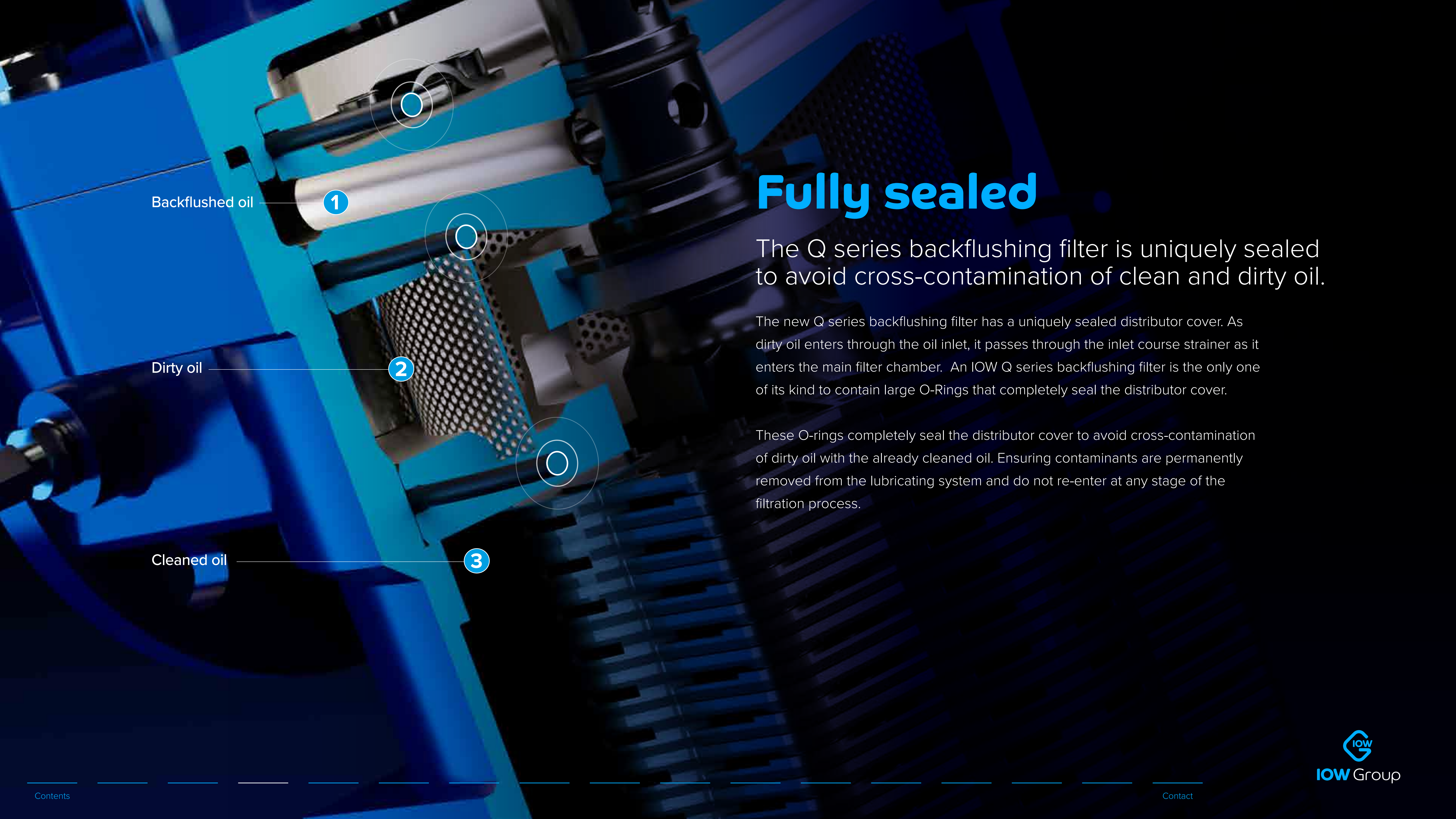


Superior filter mesh



Plastic molded for a perfect seal

Q series



Backflushed oil

1

Dirty oil

2

Cleaned oil

3

Fully sealed

The Q series backflushing filter is uniquely sealed to avoid cross-contamination of clean and dirty oil.

The new Q series backflushing filter has a uniquely sealed distributor cover. As dirty oil enters through the oil inlet, it passes through the inlet course strainer as it enters the main filter chamber. An IOW Q series backflushing filter is the only one of its kind to contain large O-Rings that completely seal the distributor cover.

These O-rings completely seal the distributor cover to avoid cross-contamination of dirty oil with the already cleaned oil. Ensuring contaminants are permanently removed from the lubricating system and do not re-enter at any stage of the filtration process.

Superior filter mesh

The Q series backflushing filter uses superior mesh within the elements for more efficient oil filtration.

The new Q Series backflushing filter uses far superior mesh within the filtering elements. Other brands use an inferior mesh that easily blocks and, in turn, clogs the filter meaning more service and maintenance is required.

The Q Series filter mesh weave has an improved geometrical design that aids finer separation and also helps to stop the elements from becoming blocked.

The Q Series mesh design ensures your backflushing filter elements stay cleaner for longer supporting higher filtration performance for your oil.



The geometry of mesh used in other brands means that they tend to clog more frequently and require more regular servicing.



The Q Series filter mesh weave has an improved geometrical design that aids finer separation and also helps to stop the elements from becoming blocked.

Plastic molded for a perfect seal

The Q series backflushing filter contains filter elements made of molded plastic to form perfectly sealed filtering compartments.

The filter elements within the Q series backflushing filter are made of molded plastic to enable a complete seal within each filtering section. Dirty oil enters the stack of filter elements through a series of inlet slots and is forced through each element filtering compartment, and through the mesh to remove soot, contaminants, and dirt from the oil. Each filtering compartment is a completely sealed ring/cylinder.

Cross-contamination is avoided by using molded plastic for these filter elements so they can squeeze together to form perfect sealed filtering compartments for the oil to travel through.



Pressure. Force. Control.

eQlyps has it all.



eQlyps is fitted with our low-maintenance magnetically sealed Magnaline pump, which provides extra suction/pressure. This is required to link the Q series backflushing filter to our market-leading MP centrifuges.

[find out more](#)



With our marketing-leading MP centrifuge attached to the Q series backflushing filter, dirt, soot, and contaminants larger than 1 micron will no longer be returned to the sump.

[find out more](#)



With a choice of external monitoring, you will always know the centrifuge is running, optimized, and when it requires servicing. This means your complete oil filtration system can be monitored and continually assessed for performance in one compact, simple system.

[find out more](#)

How eQlyps works



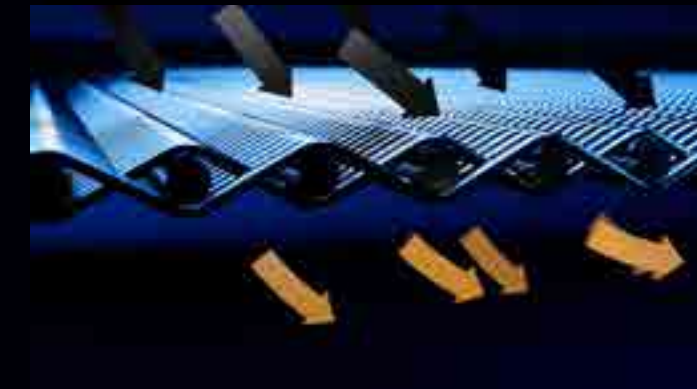
Passing through the inlet course strainer, dirty oil enters the main filter chamber via the uniquely sealed distributor cover



Dirty oil flows into the center of the squeezed and sealed filter element stack



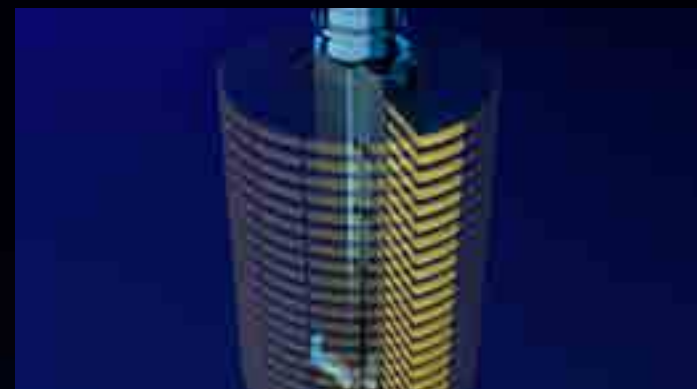
Dirty oil is forced through the stack of filter elements through a series of inlet slots.



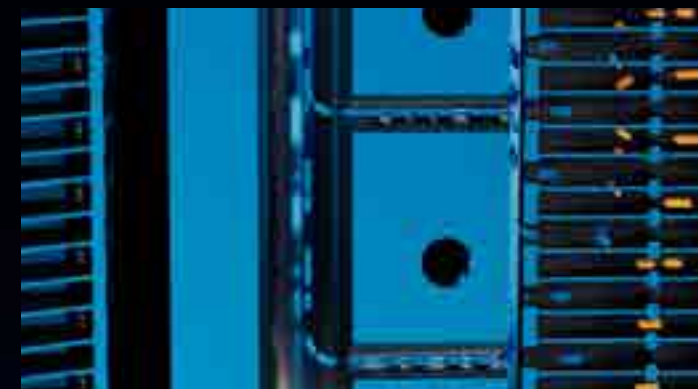
It is then forced (under pressure) through the filter mesh - removing soot, contaminants and dirt.



The majority of the cleaned oil exits the filter stack through exit slots on the outer surface and returns to the sump



The distributor within the filter stack slowly rotates and seals one column of holes at a time



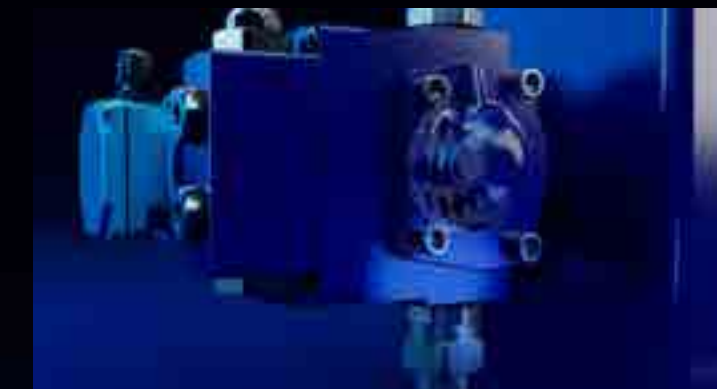
The distributor has channels which - due to reduced pressure - draw a small amount of cleaned oil back through the filter elements.



This flushes dirt, soot and contaminants off the surface of the mesh and out of the filter



Ordinarily this backflushed dirty oil would go straight back into the engine's sump to be filtered out again.



However, eQlyps is uniquely fitted with our Magnaline pump which provides extra pressure or suction.



This extra pressure allows the eQlyps to be fitted with the market leading MP centrifuge as standard.



This removes backflushed dirt, soot and contaminants from the lube oil entirely - only clean oil is returned to the sump.

Want to see more?
Watch our video



The benefits

Always **in control**



With the choice of SCU external monitoring, you will always know the centrifuge is running, optimized and when it requires servicing.

This means your complete oil filtration system can be monitored and continually assessed for performance in one, compact, simple system.

Double

Operational life of lubricating oil

The eQlyps's effectiveness to remove contaminants from engine oil means, that with regular testing and analysis, oil change intervals can not only be extended but doubled.

This can only be achieved because of the unique combination of Q series backflushing filter, Magnaline pump and the externally monitored MP centrifuge that eQlyps has.

Extend

the life of disposable filters

The MP centrifuge - part of the eQlyps complete oil filtering solution - is a marketing leading bypass filter and removes particles down to 1 micron. With the removal of sludge, wear materials, soot and damaging impurities, it not only extends the life of lubrication oil but also the disposable filter too.

Help moving parts

Last longer...

The quality of the lube oil filtration will directly affect engine component life. Smaller sub micron particles build up in the lubricating oil, causing unnecessary wear and damage to the critical components within the engine, which in turn leads to lower engine performance. These particles also reduce the life of the lube oil as the contaminant levels increase.

By removing these contaminants from the lube oil, the eQlyps filtration solution can double the life of the oil and extend the life of the engine by 3x.

...and improve reliability

Reduce downtime

and Total Cost of Ownership (TCO)

Clean lube oil helps run a smooth operation. Harmful particles in lube oil circulating around your engine cause abrasion and unnecessary wear of engine components, which in turn increases expenses and unexpected downtime.

The operational cost is very low, as is the service cost. While you'll need to make an initial investment, the Total Cost of Ownership (TCO) is low.

Removing particles down to **1 micron...**

Although all contaminants within lubrication oil will have a detrimental effect on an engine's moving parts and performance, particles in the 2 - 22 micron size range are most likely to cause lasting damage.

Controlling abrasive contaminants in this 2 -22 micron range is critical in controlling engine wear and maintaining performance.

eQlyps goes further. Any engine fitted with the eQlyps solution will be removing all contaminants, soot and particles down to 1 micron.

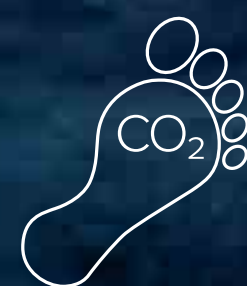
...permanently

eQlyps. The sustainable choice.



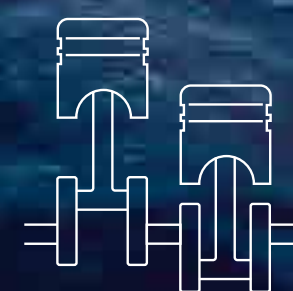
Reduce fuel consumption

With less dirt, soot, and contaminants in your oil, your engine will run more efficiently.



Reduce carbon footprint

Less of the dirt, soot, and contaminants will be emitted through exhaust fumes.



Reduce wear on moving parts

With cleaner lubricating oil, your engine's moving parts will last longer reducing waste.



Reduce oil changes

With efficient filtration and regular testing, oil changes can be extended.



IOW Group

The IOW Group is an international company providing separation and filtration solutions for businesses around the world.

We are a customer-focused business dedicated to creating products that will enable our clients to become more productive and effective within their own business sectors. As a successful original equipment manufacturer, our innovative designs mean we are able to provide the most appropriate complete solution for all our customers' needs. Two manufacturing facilities, five worldwide sales offices and over fifty years' combined experience within the centrifuge industry make us global leaders in this field.

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