



Oil-water separators

Technical Information Bulletin - #11

This technical bulletin is designed to provide more information about oil-water separators and how they protect both your compressed air system and your business.

What is an oil-water separator?

Like any industrial process, compressed air isn't immune to contaminants. An oil-water separator is an accessory installed as part of your compressed air system which helps manage the moisture and oil vapour produced through the process of compressing air.

An oil-water separator improves efficiency, reduces the risk of equipment damage, helps lower operating costs, and supports your business in meeting environmental regulations.

Why is an oil-water separator important?

Environmental regulations are tightening. By installing an oil-water separator, you're not only protecting your compressed air system and avoiding unexpected downtime, you're also:

- Reducing your environmental footprint
- Protecting your reputation
- Safeguarding your bottom line from fines or costly system failures.

Simply put: oil-water separators are a reliable, cost-effective, and practical solution for protecting both your business and the environment.



Don't let moisture and oil vapour damage your compressed air system

Every air compressor produces moisture and oil vapour.

Without proper management, these contaminants can reduce efficiency, damage equipment, increase operating costs, and risk environmental non-compliance.

An oil-water separator is a simple, essential solution to help protect your system and your business.

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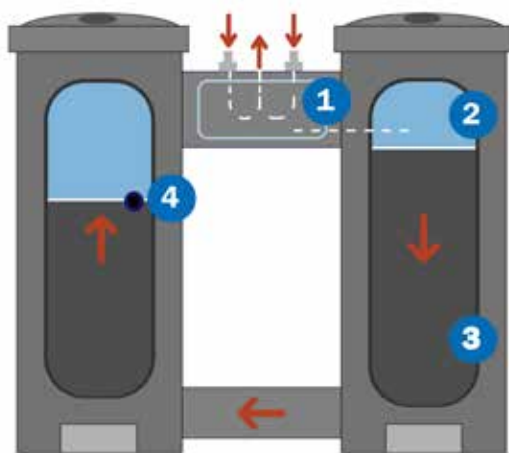
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How do oil-water separators work?

Oil-water separators remove oil from compressor condensate using multi-stage filtration.

First, oil is captured by specialised fibres that attract and hold it, while water passes through.

The condensate then passes through additional filters to remove even the tiniest oil particles, leaving clean water that can be safely discharged to an approved sewer drain or catchment waste area.



Stage 1

Inlets for condensate (oil and water) and air

Stage 2

Oil filter cartridge (polypropylene fibres)

Stage 3

Activated carbon filter cartridge (fine oil elimination)

Stage 4

Clean water outlet

Features of an oil-water separator

The oil-water separators supplied by Nessco Pressure Systems include:

- a visual element life indicator and an overflow indicator to prevent spills
- brass valves at each tower for easy servicing
- full compatibility with most drain systems
- operation without the need for a settling tank

These oil-water separators are suitable for a wide range of compressed air applications, from small systems with low condensate flow (up to 70 CFM) to large industrial systems handling flows of up to 2,500 CFM.

Arrange installation of an oil-water separator

For more information or to find out which oil-water separator is right for your system, contact our compressed air specialists on 1300 290 638 or email info@nesscopressure.com.au.

