

Gardner
Denver

Efficient on-site oil/water separators

Responsible disposal of
compressed air condensate



Unrivalled performance and efficiency

Let Gardner Denver help you be compliant

Environmental regulations strictly prohibit the discharge of oily wastes and chemicals, including the condensate drained from a compressed air system. This mixture of oil and water is classified as hazardous industrial waste, and the discharge of untreated compressor condensate into foul sewers is prohibited.

Compressor condensate must be either collected or treated before disposal using an oil water separator. Oil water separators remove lubricants from compressed air condensate ensuring environmentally friendly disposal. Considering that compressor condensate consists of approximately 95% water, it makes financial sense to separate the oil from the condensate before disposing of waste. Untreated condensate disposal is costly as it is charged by volume.

Every end-user that operates a compressed air system should have a condensate waste management program in place, not only to abide by laws and regulations but also to practice environmental and ecological responsibility. Gardner Denver oil water separators are a reliable, efficient, cost-effective, and environmentally friendly solution for on-site discharge of condensate from air compressors.

Modular design for enhanced performance

Modern industrial working environments present a host of challenges for effective and long-lasting oil water separation including ambient humidity and extreme temperatures, different coolant types, excessive operating hours, equipment age, compressor loading and residual oil.

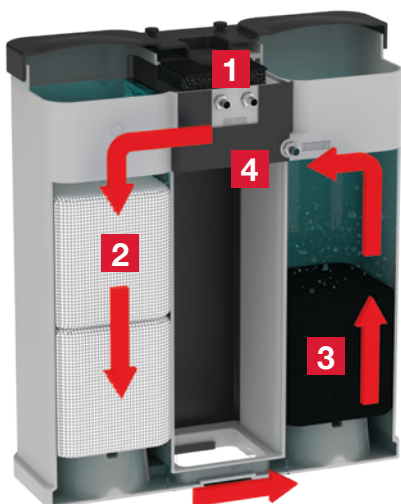
To meet these challenges, Gardner Denver separators offer different sizes to match the customers needs. They feature adsorption media that withdraws and permanently adsorbs the lubricants.

Features are your benefits

- ▶ **Pre-filter removes contaminants**
No fouling and clogging
- ▶ **Meets compressor flow requirements**
Up to 60 m³/min
- ▶ **Complies with environmental regulations**
Minimised fluid disposal costs
- ▶ **Streamlined design**
Reliable operation with reduced maintenance

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How it works



1. Oily water flows through the diffuser
2. First chamber, multiple Polypropylene media captures oil
3. Second chamber, Carbon media further removes oil
4. Clean water exits separator



The responsible choice

By minimising the cost associated with the disposal of fluids, and keeping them out of the environment, Gardner Denver oil water separators help you to stay compliant with environmental regulations and avoid costly fines. The separator is also designed to operate with minimal maintenance or downtime, resulting in no mess or overflow.

Gardner Denver separators provide condensate discharge levels < 10 ppm at standard conditions.

Guaranteed adsorption of a variety of coolants

Polypropylene and carbon media are effective on a big variety of polyalphaolefins lubricants and mineral oils available in the market.

Multiple sizing options

Gardner Denver oil water separators come in 10 standard sizes, handling air flow from 2.5 to 60 m³/min. The media is designed to last up to 6 months at 8,000 hours/year of operation and up to 12 months at 4,000 hours/year. Each model has standardised, modular media bags.



Technical data

Gardner Denver model	Capacity	Inlet Connection	Outlet Connection	Dimensions H x W x D	Weight
	m ³ /min	Inch (BSPP)	Inch (BSPP)	mm	kg
GDCS25	2.5	½	½	588 x 176 x 176	6.5
GDCS35	3.5	½	½	588 x 176 x 176	7
GDCS50	5	½	½	646 x 512 x 172	9.5
GDCS100	10	2 x ½	½	813 x 705 x 260	17.5
GDCS150	15	2 x ½	½	813 x 705 x 260	20
GDCS200	20	2 x ½	½	813 x 705 x 260	22.5
GDCS300	30	2 x ½	½	1042 x 952 x 351	44.5
GDCS400	40	2 x ½	½	1042 x 952 x 351	50
GDCS500	50	2 x ¾	¾	1240 x 1060 x 416	65
GDCS600	60	2 x ¾	¾	1240 x 1060 x 416	78

Trust Gardner Denver air treatment equipment

A modern production system and process demands increasing levels of air quality, and compressed air operators need to ensure that the downstream equipment also delivers on it 100%.

The new downstream portfolio manufactured by Gardner Denver utilising the latest technology provides an energy efficient solution at lowest life cycle costs. The same quality, performance, and efficiency standards delivered by the compressors can now be enjoyed from the air treatment range.

Investment in a manufacturing site, in addition to the support teams, ensures that compressed air operators don't need to worry about the quality of their compressed air – quality that is key to ensuring maximum production efficiency and investment protection.

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For additional information please contact Gardner Denver or your local representative.

Specifications subject to change without notice.