BOGE
COMPRESSED AIR & GAS SOLUTIONS

BOGE CC-3 OIL-WATER SEPARATOR

The 3rd generation achieves impressive results that set new records.

The latest series of oil-water separators once again offers significant improvements across many of its performance characteristics. All models employ multiple filtration stages using coated polypropylene fibres and activated carbon. These reliably achieve a residual oil content < 5 ppm at the outlet. This means that the CC-3 models not only satisfy the strict requirements of the DIBT (German Institute for Building Technology), but also offer the lowest residual oil content available on the market.

SUITABLE FOR ALL TYPES OF OIL

Without restriction

Since modern fully synthetic oils have a particular tendency to emulsify in the condensate, the conventional technique of gravity separation of oil and water is not equal to the task. But the good news is that the BOGE CC-3 can cater for all grades of compressor oils; it ensures effective separation of mineral oils, synthetic oils and stable condensate emulsions.

No verbal displays

For assessment of the condition of the filters, the new oil-water separators from BOGE have two indicator displays - one per tower. The display in the first tower indicates when the filter element is saturated, while the second keeps a careful watch out for overflows. The overflow indicator (from CC 5-3) is supplemented by a flashing red indicator which provides a visual warning in the event of an overflow.

No long breaks

Downtime is unproductive, so it is always a good idea to minimise it. Maintenance of the BOGE CC-3 uses ergonomically designed filter units that are lightweight even when saturated. All models operate with multiple optimised filtration stages which use coated polypropylene fibres and activated carbon. Pre-assembled service packs consisting of a green/black replacement element and pressure relief pads are available for maintenance.

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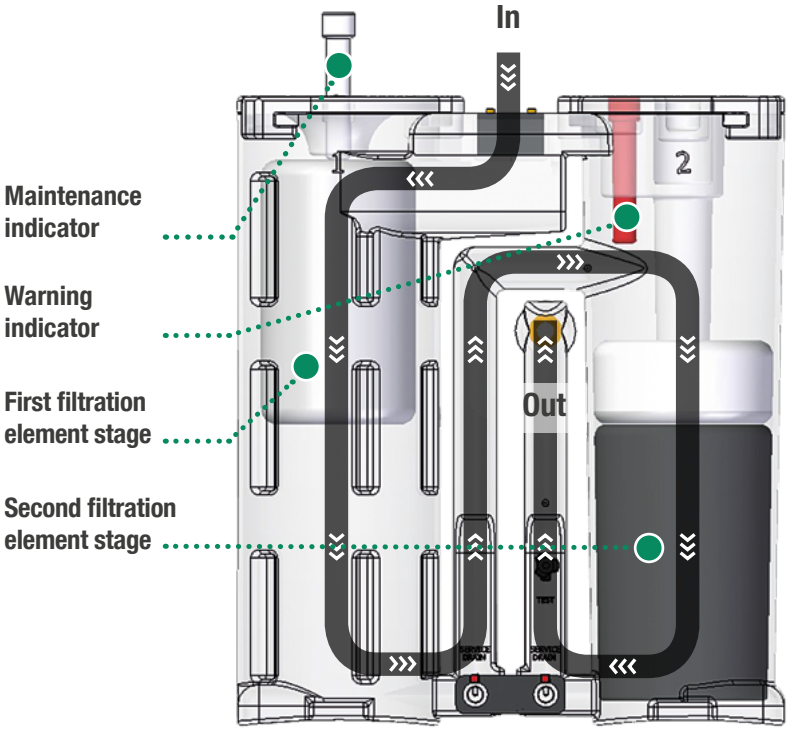
Gravity separation is so yesterday.

All compressors create condensate. Within an oil-lubricated compressor the condensate forms an emulsion with the oil, which has to be processed prior to disposal. However the technique of the gravity separation that was used until now for processing condensate emulsions is known to be unsuccessful, particularly for modern fully synthetic compressor oils. BOGE CC-3 oil-water separators therefore operate with multiple filtration stages. The condensate is discharged from above into a pressure relief chamber and flows through the first polypropylene element. The next filtration stage takes place in the second tower, after which the charcoal filters out the final remaining dirt and impurities, so a residual oil content < 5 ppm is achieved at the outlet - a result that is achieved with all types of compressor oils.



Take the greatest care

An electronic alarm contact is also available as an option from model CC 5-3 onwards; this triggers automatically when the filterbecomes saturated. This alarm contact can easily be integrated into an interlocking control system – this means that the system effectively guarantees maximum connectivity / integration into the local infrastructure.

Technical data

BOGE model	Material No.	Compressor throughput m³/min.	Oil capacity quantity Litres	Dimensions W x D x H mm	Weight (empty) kg	Weight (filled with water) kg	Service pack*
CC 2-3	579009701P	2	1.5	270 x 249 x 240	3.5	6.5	666604080P
CC 5-3	579009702P	4.5	4	390 x 600 x 200	9.5	18	666604081P
CC 10-3	579009703P	10	10	670 x 750 x 258	17	49	666604082P
CC 20-3	579009704P	20	15	800 x 900 x 325	28	95	666604083P
CC 30-3	579009705P	30	25	990 x 900 x 400	42	148	666604084P
CC 60-3	579009706P	60	50	1150 x 1040 x 480	78	275	666604085P

* Service packs consisting of replacement element green/black & pressure relief pad

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