



# Oil-Water Separators

## AQUAMAT CF

Condensate treatment pays off.

For compressor delivery volumes from 1.9 to 4.9 m<sup>3</sup>/min

# Condensate treatment pays off

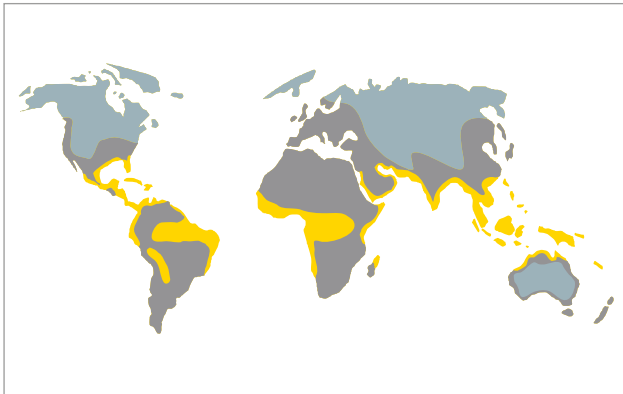
Disposing of untreated condensate from compressor stations is both laborious and expensive. AQUAMAT CF series oil-water separators from KAESER enable compressed air condensate to be treated cost-efficiently and in conformity with legal requirements, thereby saving 90% of the associated disposal costs whilst at the same time safeguarding the environment.

## Why treat condensate?

When generating compressed air, significant amounts of oil-containing condensate are produced. In order to obtain dischargeable water, this condensate must be treated in accordance with the applicable legislation.

## Certified function

Function of the AQUAMAT CF series has been tested and certified by the German Institute for Structural Engineering Berlin. AQUAMAT CF systems provide operators with state-of-the-art condensate treatment, as well as legal certainty.



## Economical condensate treatment

Cost-efficient AQUAMAT CF oil-water separators from KAESER ensure that legal limits (10 or max. 20 mg/l for hydrocarbons, for example) are adhered to, thereby greatly reducing the amount remaining for disposal. AQUAMAT CF 3 and CF 6 models can save approximately 90% of the costs associated with arranging for the full volume of condensate to be treated and disposed of by a specialist contractor, therefore the initial investment is very quickly recovered. What is more, they also contribute to environmental protection.

## Climate zones

- Climate zone 1 (Ta = 30 °C, r.h. 60%)
- Climate zone 2 (Ta = 30 °C, r.h. 70%)
- Climate zone 3 (Ta = 30 °C, r.h. 80%)

# Views



# Technical data

|   |        | CF 3            | CF 6                    |
|---|--------|-----------------|-------------------------|
| ● Max. flow rate, oil-cooled rotary screw / rotary compressors and oil type in climate zone 1 |        |                 |                         |
| S-460, MOL, MOH, PAO, VCL   | m³/min | 2.1             | 4.2                     |
| VDL   | m³/min | 2.8             | 5.5                     |
| ● Max. flow rate, oil-cooled rotary screw / rotary compressors and oil type in climate zone 2 |        |                 |                         |
| S-460, MOL, MOH, PAO, VCL   | m³/min | 1.9             | 3.8                     |
| VDL   | m³/min | 2.4             | 4.9                     |
| ● Max. flow rate, oil-cooled rotary screw / rotary compressors and oil type in climate zone 3 |        |                 |                         |
| S-460, MOL, MOH, PAO, VCL   | m³/min | 1.6             | 3.2                     |
| VDL   | m³/min | 2.1             | 4.2                     |
| ● Max. flow rate, 1-/2-stage reciprocating compressors and oil type in climate zone 1         |        |                 |                         |
| VDL   | m³/min | 1.9             | 3.8                     |
| PAO   | m³/min | 1.6             | 3.2                     |
| Ester   | m³/min | 1.8             | 3.7                     |
| ● Max. flow rate, 1-/2-stage reciprocating compressors and oil type in climate zone 2         |        |                 |                         |
| VDL   | Ester  | 1.7             | 3.4                     |
| PAO   | Ester  | 1.4             | 2.8                     |
| Ester   | Ester  | 1.6             | 3.2                     |
| ● Max. flow rate, 1-/2-stage reciprocating compressors and oil type in climate zone 3         |        |                 |                         |
| VDL   | m³/min | 1.5             | 2.9                     |
| PAO   | m³/min | 1.2             | 2.4                     |
| Ester   | m³/min | 1.4             | 2.8                     |
| Tank size (volume)  | l      | 10              | 18.6                    |
| Fill volume   | l      | 4.3             | 11.7                    |
| Prefilter   | l      | 2.5             | 4.7                     |
| Main filter   | l      | 2.6             | 4.8                     |
| Condensate inlet connection   |        | 2 x DN 10       | 2 x DN 10               |
| Water outlet connection   |        | DN 10           | DN 10                   |
| Service valve connection  |        | –               | –                       |
| Connection, oil drain   |        | –               | –                       |
| Oil collection tank   |        | –               | –                       |
| Weight  | kg     | 3.5             | 5.8                     |
| Dimensions W x D x H  | mm     | 290 x 222 x 528 | 387 x 254 x 595         |
| Thermostatically controlled heating   |        |                 |                         |
| Thermostatically controlled heating   | W      | –               | 0.4                     |
| Weight  | kg     | –               | 0.7                     |
| Electrical connection   |        | –               | 230 V / 1 Ph / 50–60 Hz |

**Note:**  
Influencing factors such as compressor type and oil should be taken into account when selecting an AQUAMAT condensate treatment system.  
**PLEASE NOTE:** Fresh-oil lubricated compressors and multi-stage reciprocating compressors are prone to emulsion formation.  
Please provide the KAESER consulting team with the technical data for your compressors in order to achieve an individually tailored design.

**More compressed air for less energy**

# The world is our home

As one of the world's largest manufacturers of compressors, blowers and compressed air systems, KAESER KOMPRESSOREN is represented throughout the world by a comprehensive network of wholly owned subsidiaries and authorised distribution partners in over 140 countries.

By offering innovative, efficient and reliable products and services, KAESER KOMPRESSOREN's experienced consultants and engineers work in close partnership with customers to enhance their competitive edge and to develop progressive system concepts that continuously push the boundaries of performance and technology. Moreover, decades of knowledge and expertise from this industry-leading systems provider are made available to each and every customer via the KAESER group's advanced global IT network.

These advantages, coupled with KAESER's worldwide service organisation, ensure that every product operates at the peak of its performance at all times, providing optimal efficiency and maximum availability.



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