



Oil-Water Separators

AQUAMAT CF

Condensate treatment pays off.

For compressor delivery volumes from 1.9 to 4.9 m³/min

Condensate treatment pays off

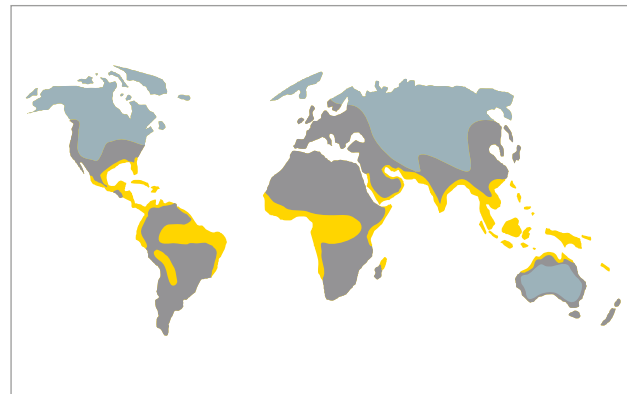
Disposing of untreated condensate from compressor stations is both laborious and expensive. AQUAMAT CF series oil-water separators from KAESER enable compressed air condensate to be treated cost-efficiently and in conformity with legal requirements, thereby saving 90% of the associated disposal costs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

