

KONTREC® KON-S

Oil-water separators

For cleaning condensate in compressed air systems



Simple and effective

The physical properties of most compressor lubricants allow a highly economical condensate separation. **KONTREC® KON-S** oil-water separators remove oil components from these oil-water mixtures quickly and reliably. The discharge water can be safely introduced to sewer systems. **KONTREC® KON-S** separators can treat mineral oils and synthetic lubricants. The **KONTREC® KON-S** design allows a universal usage for all types of condensate.

Certified performance

KONTREC® KON-S oil-water separators have been rigorously tested by third-party laboratories and proven their performance and reliability. This verifies that **KONTREC® KON-S** is able to treat all compressor condensates - even stable emulsions.

The KONTREC® Plus-Effects +++

- + effective condensate separation
- + no activated carbon used
 - weight reduction of service kits
- + simple installation and service
- + low footprint, compact design
- + four different sizes up to 1,000 cfm compressor capacity
- + for float type, time-controlled and zero-loss condensate drains



Function

The condensate inlet is located on the top of the separator. A spacious hollow chamber is provided in the top section of the housing to allow entering compressed air (depending on the type of condensate drain) to depressurize and escape. Any oil vapour is captured in the coalescing filter media. The first filter stage contains a special shredded polypropylene filling. Adsorption and coalescing effects result in a quick separation of free oil and emulsified oil components. Solid particles are captured in the lower part of the primary filter in order to protect the second filter stage. The second filter stage contains special granulated polypropylene which removes remaining oil components and ensures the purity of the discharge water.

Pressure relief

In **KONTREC®** KON-S75 units the condensate enters the replacable cartridge from the top lid. Here it is directed through three layers of foam which separates the condensate from any compressed air. The condensate flows downward along the filter material while the air slowly escapes on the top through large ventilation openings.

In **KONTREC®** KON-S150 and larger models the first filter stage (primary filter) separates the condensate and compressed air. A special felt material captures solid particles before they can enter later process steps. The interior of the felt bag provides space for pressure relief while the hollow space above the primary filter offers additional room for expansion. Finally the discharge air exits the unit through large ventilation openings.

► A great team: **KONTREC®** oil-water separators and **KONDRAIN®** zero-loss condensate drains. For economical and ecological condensate management!

Spend less, achieve more!

KONTREC® helps in various ways:

- + treat condensate according to code
- + reduce energy cost
- + save space due to small footprint
- + reduce operating cost and effort

Product line

KONTREC® KON-S

Technical features

- + easy element change
- + test drain for simple control of condensate status
- + four condensate inlets (KONTREC S150-1000) (**KONTREC®** S150-1000)
- + two versions:
 - **Standard:** for mineral based lubricants
 - **K-type:** for synthetic lubricants and stable emulsions

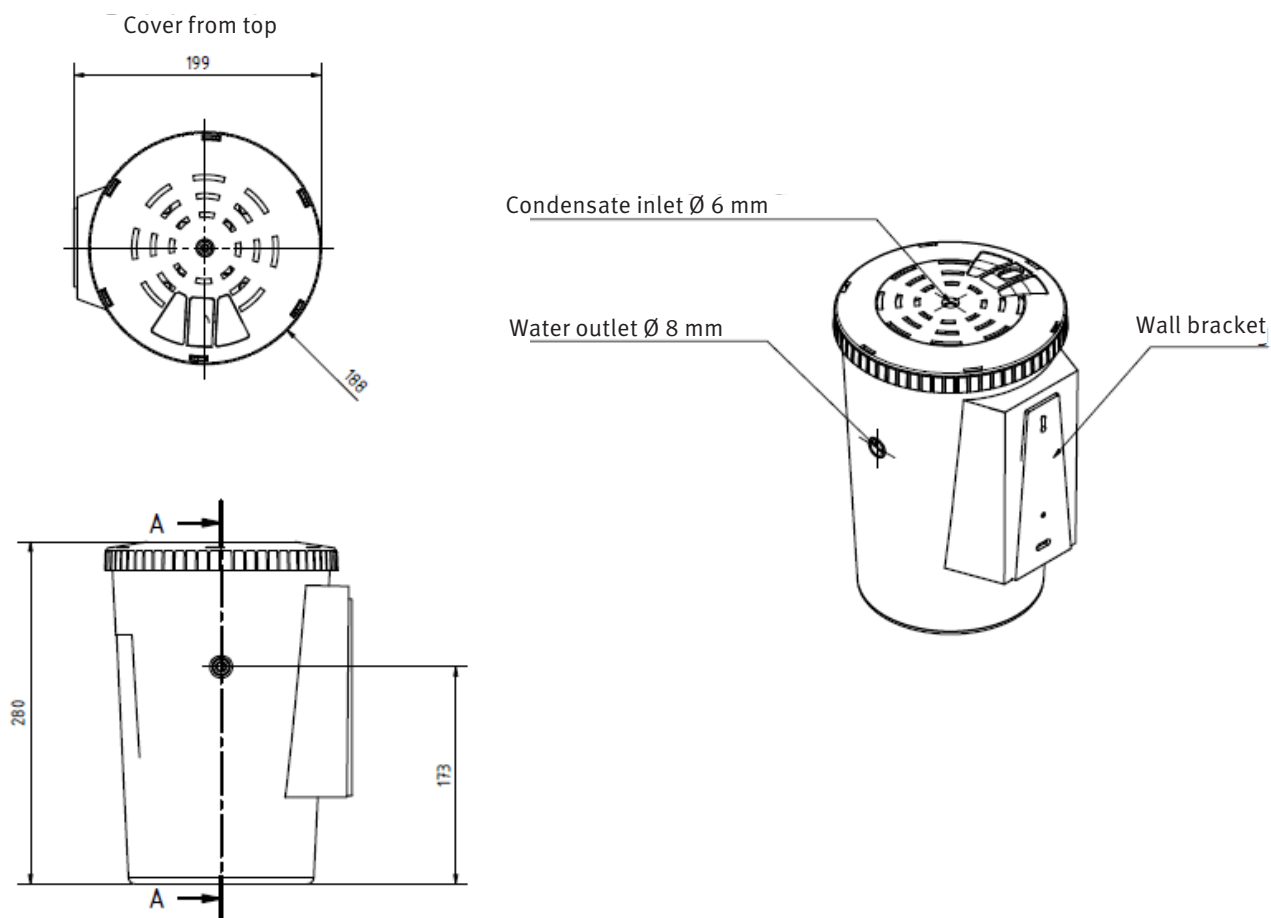


Oil-water separators

Type	Capacity*	Connection	Connection	Connection	Filter kit	max. oil absorption
	cfm	Inlet	Outlet	Test drain		lbs
KON-S75	75	6 mm hose connection	8 mm hose connection	-	1x KON-Kit75	3.3
KON-S150	150	4 x 1/2"	1/2"	1/4"	1x KON-Kit150	6.8
KON-S450	450	4 x 1/2"	3/4"	1/4"	1x KON-Kit450	20.2
KON-S1000	1000	4 x 1/2"	3/4"	1/4"	1x KON-Kit1000	44.9
KON-S75-K	75	6 mm hose connection	8 mm hose connection	-	1x KON-Kit75-K	3.3
KON-S150-K	150	4 x 1/2"	1/2"	1/4"	1x KON-Kit150-K	6.8
KON-S450-K	450	4 x 1/2"	3/4"	1/4"	1x KON-Kit450-K	20.2
KON-S1000-K	1000	4 x 1/2"	3/4"	1/4"	1x KON-Kit1000-K	44.9

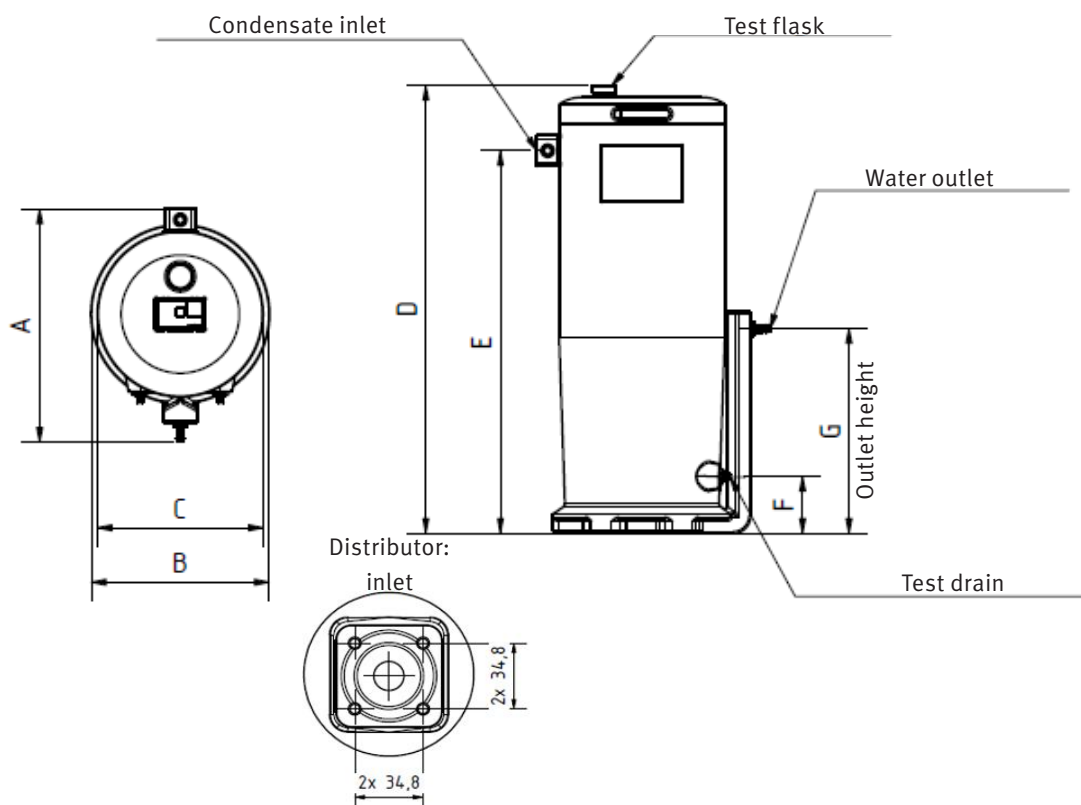
Filter kits

Type	consisting of		
	primary filter	secondary filter	tertiary filter
KON-Kit75	1 piece	1 piece	-
KON-Kit150	1 piece	1 piece	-
KON-Kit450	1 piece	1 piece	-
KON-Kit1000	1 piece	1 piece	1 piece
KON-Kit75-K	1 piece	1 piece	-
KON-Kit150-K	1 piece	1 piece	-
KON-Kit450-K	1 piece	1 piece	-
KON-Kit1000-K	1 piece	1 piece	1 piece



Specifications	
Residual oil content	<10 ppm
Mineral oil lubricants	standard
Synthetic lubricants	K-type
Stable emulsions	K-type
Housing material	ABS, recyclable
Weight incl. filter kit (dry) in lbs	3

KONTREC® S150-1000



	KON-S150	KON-S450	KON-S1000
A in inches	12.6	15.9	19.4
B in inches	8.7	12.1	15.7
C in inches	8	11.3	14.8
D in inches	22.7	30.6	39.3
E in inches	18.3	26.2	34.8
F in inches	3.6	3.9	3.9
G in inches	9.6	14	17.2
Weight incl. filter kit (dry) in lbs	6.6	13.2	25.3

Specifications	
Residual oil content	<10 ppm
Mineral oil lubricants	standard
Synthetic lubricants	K-type
Stable emulsions	K-type
Housing material	PE, recyclable