

KONTREC® Oil-Water-Separators



For the Treatment of Compressor Condensate from
Compressed Air & Compressed Gases



Simple and brilliant

The physical properties of most compressor condensates allow a cost-effective treatment. As the condensate consists mainly of an oil-water-mixture, **KONTREC®** separates the oil components from water quickly and reliably. You are allowed to discharge the water component (about 99%) into the sewer after treatment with the KSi oil-water-separator. **KONTREC®** also separates synthetic oils and polyglycols reliably in addition to mineral oils.

The special **KONTREC®** construction, in combination with the use of high quality components facilitates universal use for all types of condensate.

Tested type approval

The oil-water separators of the **KONTREC®** series have also achieved excellent results in the most recent, even more stringent tests of the German Institute for Building Technology (DIBt) and have received the seal of the tested type approval without restriction.

The KONTREC® Plus-Effects +++

- + guaranteed, legally compliant condensate separation
- + no capacity reduction
- + easy installation, easy monitoring, easy maintenance
 - ▶ time savings in service
- + space-saving, compact design
- + for 2 series with nine different models up to 60 m³/min compressor capacity
- + for time-controlled and level-controlled steam traps
- + sustainable environmental protection

This further guarantees that all compressor condensates - even stable emulsions - are separated according to the legal requirements by devices of the **KONTREC®** series. In addition, the new approval proves that there will be no capacity reduction in the future and therefore no new installation of a larger oil-water separator.

KONTREC®

Oil-Water-Separators



The operating principle

Pressure relief and calming of the condensate are achieved in the primary relief filter. In the following first cleaning stage a special filling in the primary filter assures effective adsorption & coalescence effects. Free oils and emulsified oil components are quickly separated by this direct separation. Finally, solids are separated in the lower parts of the primary filter to assure high reliability for the flow conditions of the **KONTREC®** high performance activated carbon filter in the second cleaning stage. This secondary protective filter made of particularly high quality special activated carbon removes remaining oil components and guarantees that the water can be discharged according to legal standards. The **KONTREC® PREMIUM** is equipped with another pre-filter installed upstream to guarantee additional adsorption & coalescence effects.



Invest less, achieve more

KONTREC® serves in many ways

- + It saves costs significantly that usually arise with an eco-friendly disposal.
- + It discharges condensate in accordance to legal regulations.
- + It reduces energy costs.
- + It saves space through its compact construction.
- + You minimize operating costs and effort.
- + The invest amortises in cause of the solide design and life-long functionality-
- + It protects our environment.

► **KONTREC®** is the ideal complementary solution to KSI condensate drains series **KONDRAIN® N** ensuring an economically efficient and environment-friendly condensate management.

The basic series

KONTREC® COMFORT

Technical features

- + **KONTREC® COMFORT**: overflow indicator in stage 1
- + service-friendly due to easy element change
- + sampling glass and und test draining for easy control of condensate status
- + two condensate inlets (**KONTREC® PREMIUM** and **KONTREC® COMFORT 15**)
- + also separates stabil emulsions
- + every **KONTREC®** oil-water-separator and every exchange filter-set for **KONTREC® PREMIUM** and **COMFORT** includes breathing protection, gloves and a protective coat for safe maintenance
- + **general design approval granted** (**KONTREC® PREMIUM** und **COMFORT**)



Structure



Filter set KONTREC® COMFORT

Type	consisting of	
	Primary Filter	Activated Carbon Filter
KON-FS C2BMP	KON-C 2BMP exchange	
KON-FS C3BMP	1 unit	1 unit
KON-FS C7BMP	1 unit	1 unit
KON-FS C15BMP	1 unit	1 unit



Capacity | Dimensions KONTREC® COMFORT

Type	Capacity* m³/min	Connection		Width B mm	Height H mm	Depth T mm	Quantity Filter sets	max. oil capacity Primary filter
		Inlet	Outlet					
KON-C 2BMP	2	1 x 1/2"	1 x 1/2"	255	239	230	-	-
KON-C 3BMP	3	1 x 1/2"	1 x 1/2"	465	397	250	1 unit	3 litres
KON-C 7BMP	7	1 x 1/2"	1 x 1/2"	580	437	300	1 unit	7 litres
KON-C 15BMP	15	2 x 1/2"	1 x 1/2"	730	477	375	1 unit	15 litres

*referring to compressor capacity

KONTREC® Oil-Water-Separators



The series for higher demands KONTREC® PREMIUM

Technical features

- + **KONTREC® PREMIUM:** overflow indicator displays element status in stage 1, saturation indicator in stage 2
- + service-friendly due to easy element change
- + service-friendly maintenance parts (from **KONTREC® PREMIUM 10**)
- + sampling glass and und test drain for easy control of condensate status
- + two condensate inlets
- + also separates stabil emulsions
- + every **KONTREC®** oil-water-separator and every exchange filter set for **KONTREC® PREMIUM** includes breathing protection, gloves and a protective coat for safe maintenance
- + **general design approval granted**



Structure



Filter sets KONTREC® PREMIUM

Type	consisting of		
	Primary Filter	Pre-filter	Activ. Carbon Filter
KON-FS P 5	1 unit	1 unit	1 unit
KON-FS P 10	1 unit	1 unit	1 unit
KON-FS P 20	1 unit	1 unit	1 unit
KON-FS P 30	1 unit	1 unit	1 unit
KON-FS P 60	2 units		2 units



Capacity | Dimensions KONTREC® PREMIUM

Type	Capacity*	Connection	Connection	Width B	Height H	Depth T	Quantity	max. oil capacity
	m³/min	Inlet	Outlet					mm
KON-P 5	5	2 x 1/2"	1 x 1"	580	610	190	1 unit	5 liters
KON-P 10	10	2 x 1/2"	1 x 1"	650	750	240	1 unit	10 liters
KON-P 20	20	2 x 1/2"	1 x 1"	780	900	305	1 unit	15 liters
KON-P 30	30	2 x 1/2"	1 x 1"	970	900	380	1 unit	25 liters
KON-P 60	60	2 x 1/2"	1 x 1"	1160	1040	480	1 unit	50 litres

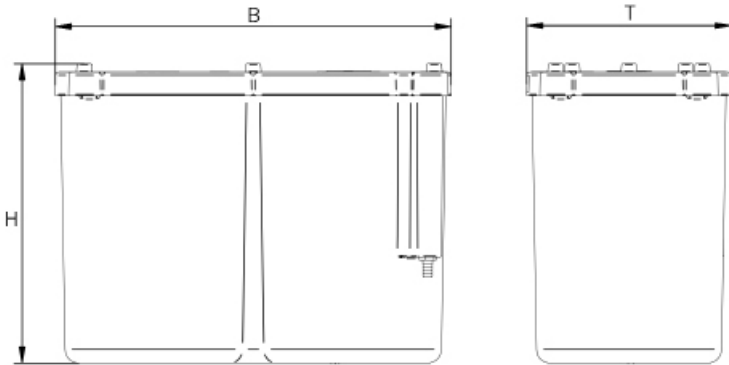
*referring to compressor capacity

KONTREC® Oil-Water-Separators

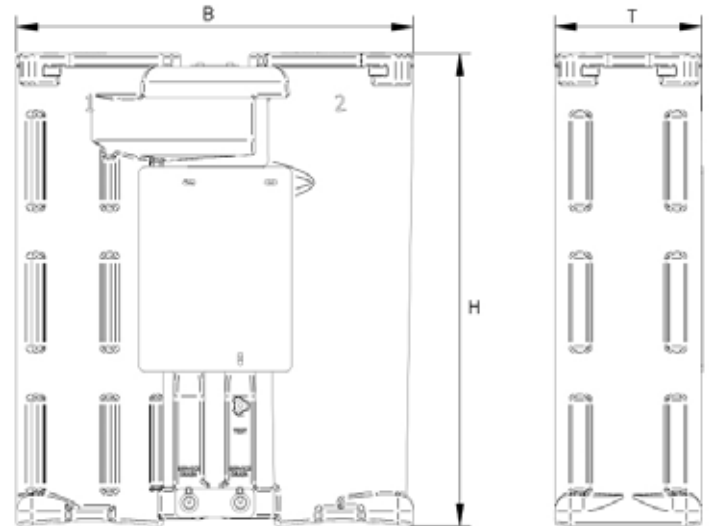


Dimensional drawings

KONTREC® COMFORT



KONTREC® PREMIUM



Scope of supply | Features

KONTREC® Oil-Water-Separator

including filter set, control glass, respiratory protection, gloves and protective coat

Residual oil	<10 mg/l
Housing material	PE (KONTREC® PREMIUM) PPC (KONTREC® COMFORT)
Separation of mineral lubricants	yes
Separation of synthetic lubricants	yes
Stable emulsions	yes
Separation of polyglykoles	Special elements (K-FSPG)
Fully recyclable	yes
Design approval	KONTREC® Premium & Comfort

Options:



Condensate manifold KONTREC® KO-KVC

Connection inlet: 1 x 1/2"
Connection outlet: 3 x 1/2"



Condensate testkit KONTREC® KO-TK

Determine which special filter fits;
especially in complicated applications



Multi-inlet KONTREC® KO-ME

Connections inlet: 3 x 1/2"