



## Oil-Water-Separator

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

# KONTREC® PREMIUM & COMFORT

## The Solution for Economic and Reliable Condensate Management

Compressed air is required as a reliable energy source for many processes. As a result of the combination of compression and condensation processes, significant amounts of compressor condensate always accumulate in the compressed air system. This condensate consists of moisture, dirt, fine dust particles (rust, abrasions etc.) and hydrocarbons, which are all imported to the system by the compressor. And they all can cause damages.

The next task to manage are the lubricating agents of the compressor. It is an environmental pollution and strictly prohibited by law to discharge dirty condensate into the wastewater system.

**KONTREC®** is a small, reliable and affordable unit and therefore the ideal and simple solution to generate water that can be discharged legally (<20 mg/l residual oil content).



## The KONTREC® Plus-Effect +++ Invest Less, Achieve More

**KONTREC®** helps in many ways to

- + save significant costs that usually arise with eco-friendly disposal
- + discharge condensate in accordance to regulations
- + reduce energy costs
- + save space in cause of its compact design
- + minimize operating costs and efforts
- + amortize the investment through a long product life
- + protect our environment

## Simple and Brilliant

The physical properties of most compressor condensates allow cost effective treatment. As the condensate consists mainly of an oil-water-mixture, **KONTREC®** separates the oil components from water quickly and reliably. After treatment with the KSI oil-water-separator the water (about 99%) can be discharged into the wastewater system. **KONTREC®** separates mineral oils as well as synthetic oils and polyglycols reliably. The special **KONTREC®** construction, in combination with the use of high quality components, facilitates universal use for all types of condensate.

# KONTREC®

## Functional Principle

Pressure relief and calming down of the condensate is achieved by a 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 high quality special activated carbon, removes remaining oil components and guarantees that the water can be discharged eco-friendly. The **KONTREC® PREMIUM** is equipped with another pre-filter in front of the activated carbon stage to guarantee additional adsorption & coalescence effects.

## Scope of Delivery and Structure

### KONTREC® COMFORT



## Technical Features

- + **KONTREC® PREMIUM:** overflow indicator displays element status in stage 1, saturation indicator in stage 2
- + **KONTREC® COMFORT:** overflow indicator in stage 1
- + service-friendly due to easy element change
- + service-friendly maintenance parts (from **KONTREC® PREMIUM 10**)
- + sampling glass and und test draining for easy control if 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 type-approval granted (KONTREC® PREMIUM)**

### KONTREC® PREMIUM



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



## 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

Connection inlet: 3 x 1/2"

## Scope of Supply | Characteristics

### KONTREC® Oil-Water-Separator

incl. filter set, control glass, respiratory protection, gloves and protective work coat

residual oil content	<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 polyglykol	Special elements (K-FSPG)
Fully recyclable	yes
Design approval	KONTREC® Premium & Comfort

## Capacity | Dimensions KONTREC® PREMIUM

Type	Capacity*	Connection	Connection	Width B	Height H	Depth T	Quantity	max. Oil Capacity
	m <sup>3</sup> /min	Inlet	Outlet	mm	mm	mm	Filter sets	Primary Filter
KON-P 5	5	2 x 1/2"	1 x 1"	580	610	190	1 unit	5 litres
KON-P 10	10	2 x 1/2"	1 x 1"	650	750	240	1 unit	10 litres
KON-P 20	20	2 x 1/2"	1 x 1"	780	900	305	1 unit	15 litres
KON-P 30	30	2 x 1/2"	1 x 1"	970	900	380	1 unit	25 litres

\*referring to compressor capacity

## Capacity | Dimensions KONTREC® COMFORT

Type	Capacity*	Connection	Connection	Width B	Height H	Depth T	Quantity	max. Oil Capacity
	m <sup>3</sup> /min	Inlet	Outlet	mm	mm	mm	Filter sets	Primary Filter
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

## Filter Sets KONTREC® PREMIUM

Type	consisting of		
	Primary Filter	Pre-filter	Activated 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

## Filter Sets 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