

# PRODUKTDATASHEET

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## KONTREC®

### Oil-Water-Separators

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



# PRODUCT DATASHEET

## KONTREC® · Oil-Water-Separators

### 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.

### 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.

### The KONTREC® Plus Effect +++ 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



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## KONTREC® · Oil-Water-Separators

### 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® 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**



#### 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*           | Connection | Connection | Width B | Height H | Depth T | Quantity | max. Oil Capacity |
|-------------|---------------------|------------|------------|---------|----------|---------|----------|-------------------|
|             | m <sup>3</sup> /min | 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 7 BMP | 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

# PRODUCT DATASHEET

## 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               |



#### Capacity | Dimensions KONTREC® PREMIUM

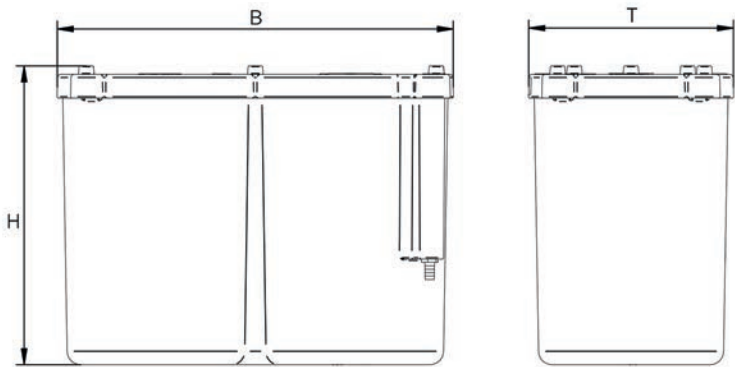
| Type     | Capacity*           | Connection | Connection | Width B | Height H | Depth T | Quantity | max. Oil Capacity |
|----------|---------------------|------------|------------|---------|----------|---------|----------|-------------------|
|          | m <sup>3</sup> /min | Inlet      | Outlet     |         |          |         |          |                   |
| 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         |

\*referring to compressor capacity

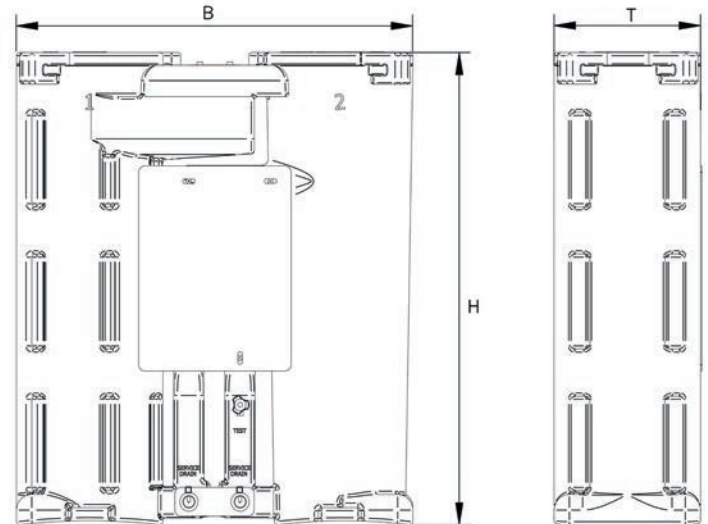
## KONTREC® · Oil-Water-Separators

### Dimensions 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)<br>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"