



## OIL/WATER SEPARATION

### *CONDENSATE CLEANERS*

SEPREMIUM 10

SEPREMIUM 20

SEPREMIUM 30

SEPREMIUM 10



SEPREMIUM 30



COMPRESSED AIR CONDENSATE MANAGEMENT SPECIALIST

RELIABLE



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### Why install an oil/water separator?

Local environmental laws and regulations stipulate that most of the oil contaminant must be removed from the compressed air condensate before discharging in to the sewage system.

### The SEPREMIUM's separation ability

The SEPREMIUM is designed to separate mineral oil, semi –and fully synthetic lubricants from condensate. A stable emulsion formed from mineral oil or synthetic lubricants is typically no problem for the SEPREMIUM.

Special elements are available for poly-glycol applications, consult the factory.

### Principle workings of the SEPREMIUM

As condensate flows in to the SEPREMIUM, the oil is filtered out through various filtration elements.

The first oil adsorbing element has a clever saturation indicating feature, offering you a visual operating status of the separator at a distance.

The elements are designed to combine various types of adsorption technologies to achieve less than 10 ppm oil residue values at the output stage.

Final separation stage includes specially selected activated carbon to polish out the remaining contaminants.

### The SEPREMIUM's stocking advantages

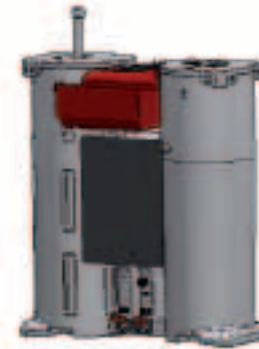
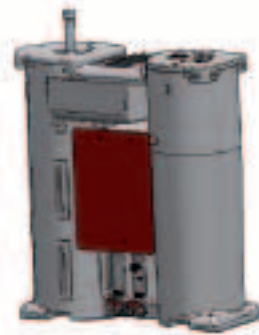
The SEPREMIUM outer dimensions are much smaller than other condensate cleaners in the marketplace, because the SEPREMIUM does not incorporate large condensate settling reservoirs. Space is money and as such the SEPREMIUM offers you a significant cost saving in warehouse costs.

### Health & safety

Large condensate settling reservoirs (used by our competitors) can stimulate the growth of harmful bacteria and the cause of unpleasant smells. The SEPREMIUM does not incorporate a settling reservoir, nevertheless, we recommend that you apply the protective clothing and mask that is supplied as standard with all SEPREMIUM models and elements when installing and servicing the separator.

# SEPREMIUM 10

Oil/water separator for compressor capacities up to 10m<sup>3</sup>/min



## PRODUCT FEATURES

As condensate flows in to the SEPREMIUM, the oil is filtered out through various filtration elements.

The first oil adsorbing element has a clever saturation indicating feature, offering you a visual operating status of the separator at a distance. The elements are designed to combine various types of adsorption technologies to achieve less than 10 ppm oil residue values at the output stage.

Final separation stage includes specially selected activated carbon to polish out the remaining contaminants.

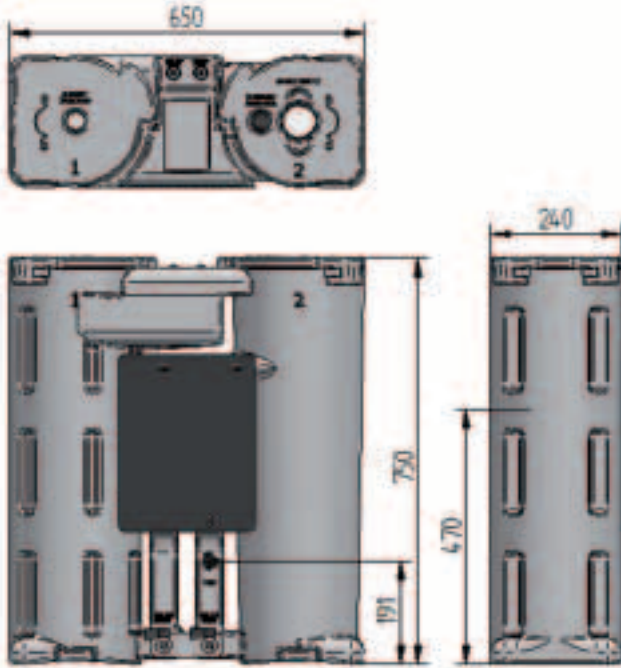
## COMMERCIAL BENEFITS

- Visual element life indication.
- Lighter and easier replacement of elements.
- Sectional draining options during servicing.
- Multiple condensate inlets.
- Alarm indicator.
- Sample bottle and test drain for sample taking.

## TECHNICAL ADVANTAGES

- Operates with all JORC type drains (both timer controlled and zero air loss).
- Customer specific finishing options available.
- Small foot print.
- Separation of mineral & synthetic lubricants and stabile emulsions.

## PRODUCT DIMENSIONS MM



## PRODUCT SPECIFICATIONS

Max. Compressor capacity	10m <sup>3</sup> /min (350 CFM)
Max. oil adsorption in the elements	10 litres
High performance white element	2
Activated carbon element	1
Inlet connection	1/2" (2 off)
Outlet connection	1"
TEST valve	Yes
Housing material	PE
Total recyclable	Yes
Housing colour	Black
Lid colour	Grey
Alarm indicator	Yes
Element life indicator	Yes
Service drain for sectional draining	Yes (2 off)
TEST kit included	Yes
Target oil residue output value	<10 ppm

## PRODUCT FEATURES



Sectional draining options during servicing activities.



Twist-off lids containing the TEST kit and indicators.



All SEPREAMIUM models have a visual element life indicator.

# SEPREMIUM 20

Oil/water separator for compressor capacities up to 20m<sup>3</sup>/min



## PRODUCT FEATURES

As condensate flows in to the SEPREMIUM, the oil is filtered out through various filtration elements.

The first oil adsorbing element has a clever saturation indicating feature, offering you a visual operating status of the separator at a distance. The elements are designed to combine various types of adsorption technologies to achieve less than 10 ppm oil residue values at the output stage.

Final separation stage includes specially selected activated carbon to polish out the remaining contaminants.

## COMMERCIAL BENEFITS

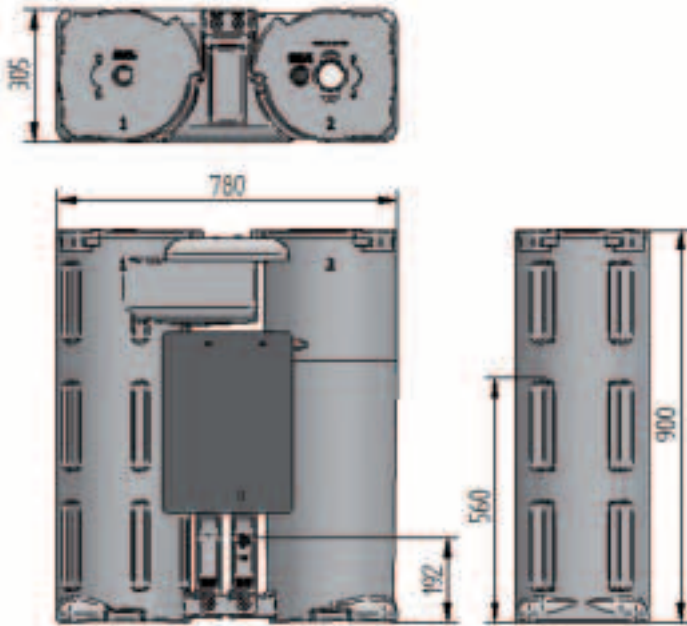
- Visual element life indication.
- Lighter and easier replacement of elements.
- Sectional draining options during servicing.
- Multiple condensate inlets.
- Alarm indicator.
- Sample bottle and test drain for sample taking.

## TECHNICAL ADVANTAGES

- Operates with all JORC type drains (both timer controlled and zero air loss).
- Customer specific finishing options available.
- Small foot print.
- Separation of mineral & synthetic lubricants and stable emulsions.



## PRODUCT DIMENSIONS MM



## PRODUCT SPECIFICATIONS

Compressor capacity	20m <sup>3</sup> /min (700 CFM)
Max. oil adsorption in the elements	15 litres
High performance white element	2
Activated carbon element	1
Inlet connection	1/2" (2 off)
Outlet connection	1"
TEST valve	Yes
Housing material	PE
Total recyclable	Yes
Housing colour	Black
Lid colour	Grey
Alarm indicator	Yes
Element life indicator	Yes
Service drain for sectional draining	Yes (2 off)
TEST kit included	Yes
Target oil residue output value	<10 ppm

## PRODUCT FEATURES



Sectional draining options during servicing activities.



Twist-off lids containing the TEST kit and indicators.



All SEPREAMIUM models can be supplied with the multi-inlet adapter.

# SEPREMIUM 30

Oil/water separator for compressor capacities up to 30m<sup>3</sup>/min



## PRODUCT FEATURES

As condensate flows in to the SEPREMIUM, the oil is filtered out through various filtration elements.

The first oil adsorbing element has a clever saturation indicating feature, offering you a visual operating status of the separator at a distance. The elements are designed to combine various types of adsorption technologies to achieve less than 10 ppm oil residue values at the output stage.

Final separation stage includes specially selected activated carbon to polish out the remaining contaminants.

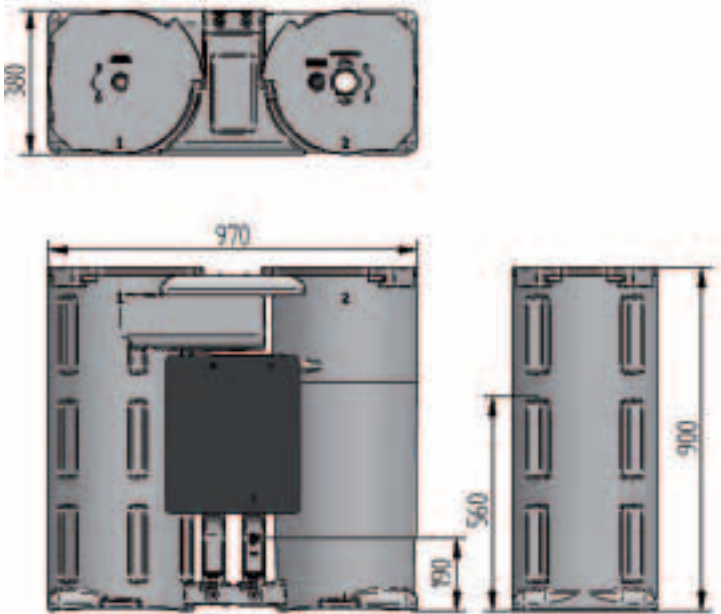
## COMMERCIAL BENEFITS

- Visual element life indication.
- Lighter and easier replacement of elements.
- Sectional draining options during servicing.
- Multiple condensate inlets.
- Alarm indicator.
- Sample bottle and test drain for sample taking.

## TECHNICAL ADVANTAGES

- Operates with all JORC type drains (both timer controlled and zero air loss).
- Customer specific finishing options available.
- Small foot print.
- Separation of mineral & synthetic lubricants and stable emulsions.

## PRODUCT DIMENSIONS MM



## PRODUCT SPECIFICATIONS

Compressor capacity	30m <sup>3</sup> /min (700 CFM)
Max. oil adsorption in the elements	25 litres
High performance white element	2
Activated carbon element	1
Inlet connection	1/2" (2 off)
Outlet connection	1"
TEST valve	Yes
Housing material	PE
Total recyclable	Yes
Housing colour	Black
Lid colour	Grey
Alarm indicator	Yes
Element life indicator	Yes
Service drain for sectional draining	Yes (2 off)
TEST kit included	Yes
Target oil residue output value	<10 ppm

## PRODUCT FEATURES



Sectional draining options during servicing activities.



Twist-off lids containing the TEST kit and indicators.



Brass inlets for accepting condensate from all types of drains.

# PURO MINI

Oil/water separator for compressor capacities up to 3.5m<sup>3</sup>/min



## PRODUCT FEATURES

The PURO MINI is designed to separate oil from condensate that is extracted from compressed air systems. The PURO MINI condensate separator covers compressor capacities up to 3.5 m<sup>3</sup>/min.

Polypropylene has the perfect effect on oil. It attracts oil and captures it, almost as if it draws oil like a magnet. That simplicity and our technology are at the root of the PURO's efficiency to clean virtually all types of condensate, emulsified or not.

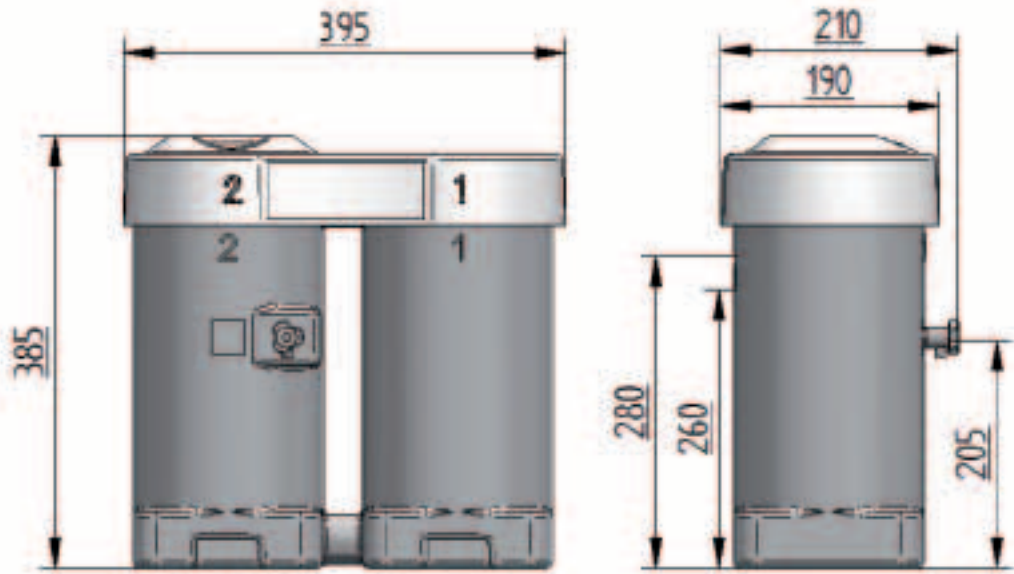
## COMMERCIAL BENEFITS

- Separation of all types of compressor lubricants
- Compact design (wall mounting bracket optionally available)
- The PURO MINI does not incorporate a settling reservoir (no bacteria growth)
- Clothing kit included.

## TECHNICAL ADVANTAGES

- Any type of condensate drain can be applied.
- Easy serviceable/maintenance.

### PRODUCT DIMENSIONS MM



### PRODUCT SPECIFICATIONS

Compressor capacity	3.5m <sup>3</sup> /min (125 CFM)
Max. oil adsorption white element	3 liters
High performance white element	1
Activated carbon element	1
Inlet connection	1/2"
Outlet connection	1/2"
TEST valve	Yes
Housing material	PE
Total recyclable	Yes
Housing colour	Grey
Lid colour	Black
Target oil residue output value	<10 ppm

### PRODUCT FEATURES



TEST feature



TEST kit included



All threads are brass inserts and the hose pipe connectors are included.



Compact design allows for cost effective shipping.

# DISTRIBUTOR

Compressed air condensate distributor



## PRODUCT FEATURES

Although the SEPREMIUM 30 has a compressor capacity of 30m<sup>3</sup>/min, it is possible that certain large applications require two or more units to be installed. In these cases it is recommended that the condensate is equally distributed in to the separators evenly. Subsequently the elements are saturated evenly also.

The DISTRIBUTOR has two 1" condensate inlets and eight 1/2" outlets.

The depressurising pad ensures a quick depressurisation to ensure an evenly flow to the separators.

## COMMERCIAL BENEFITS

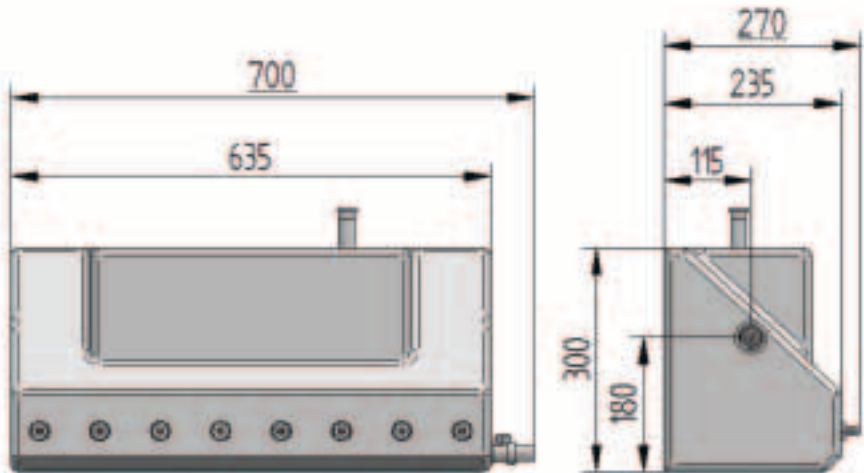
The DISTRIBUTOR is supplied complete with the following items to simplify the installation:

- DISTRIBUTOR
- Wall fixing brackets
- Wall fixing bolts and plugs
- Spirit level

## TECHNICAL ADVANTAGES

- A service valve is incorporated for cleaning and servicing.
- 8 condensate distribution outlets.
- Easy serviceable/maintenance.

## PRODUCT DIMENSIONS MM



## PRODUCT SPECIFICATIONS

Number of separators that can be hooked up	4
Inlet connection	1" (2 off)
Outlet connection	1/2" (8 off)
Service/draining valve	Yes
Overflow warning indicator	Yes
Housing material	PE
Total recyclable	Yes
Housing colour	Grey
Installation kit included	Yes

## PRODUCT FEATURES



Complete installation set is included



Service valve



Overflow indicator

### SEPREMIUM SERVICE PACK

The SEPREMIUM service pack includes:

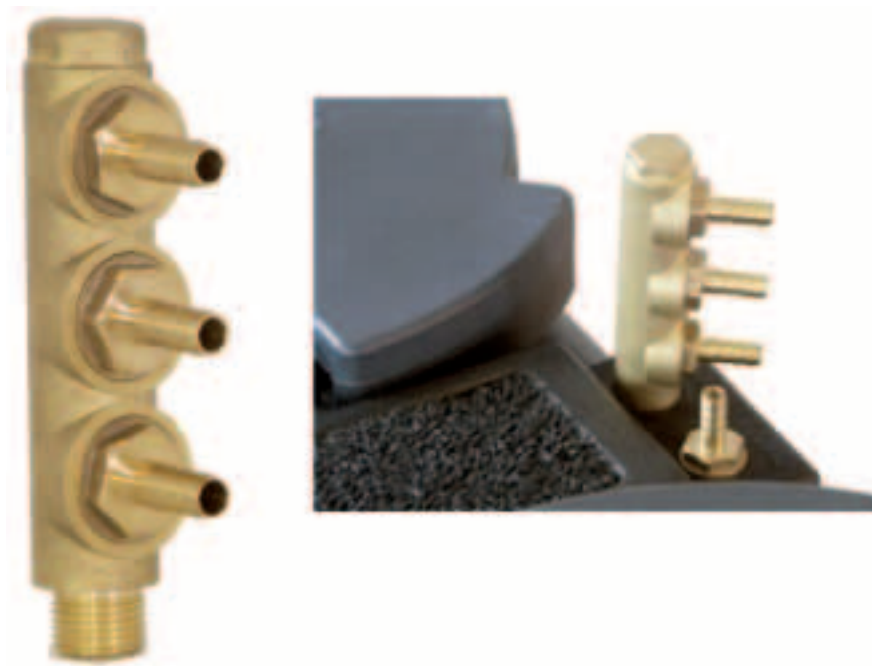
- three elements
- plastic waste bags for disposing saturated elements
- clothing kit comprising of a mouth mask  
plastic gloves  
plastic overall  
(as pictured).

Special service packs are available for polyglycol applications.



**Light weight  
elements for  
easy servicing!**

### MULTI-INLET ADAPTER



The Multi-inlet adapter allows for up to three additional condensate inlet options.

The brass adapter threads in to the brass inlet of the SEPREMIUM or PURO.

To simplify installation, we include the brass hose connection nipples also.



**TEST KIT**

The JORC oil/water separators include a test kit for visual inspection of the output quality.

This visual inspection kit offers the service engineer an indication of the element's saturation level.

The test kit is positioned in the tower lids.

**ADAPTERS**

Adapter, nipples and hose connectors applied on all JORC's separators are also available as stand alone products.

**PURO MINI BRACKET**

The PURO mini can be wall mounted with this specially designed bracket.

The bracket is supplied complete with wall mounting screws and plugs.



**Multi-inlet adapter**

All SEPREMIUM models can be supplied with the multi-inlet adapter.



**TEST KIT**

In the head of tower 2 there is a TEST bottle kit that should be used for periodical testing procedures. The test bottle has a label giving an indicative comparison to 20 ppm, or 10 ppm on request.



**SERVICING DRAIN VALVE**

Once a year we recommend a thorough cleaning/servicing of the SEPREMIUM. For health and safety reasons the whole unit can be drained from its water content by opening the servicing drain valve



**CLOTHING KIT**

For health and safety reasons the SEPREMIUM units and replacement elements are supplied complete with a protective clothing kit. The content of the kit is: mouth mask, gloves and overall.



**DISTRIBUTOR**

The DISTRIBUTOR has two 1” condensate inlets and eight 1/2” outlets. The depressurising pad ensures compressed air condensate depressurisation and the subsequent distribution into the SEPREMIUM separators.



**ELEMENT LIFE INDICATOR**

All SEPREMIUM models have a visual element life indicator.



**DEPRESSURISING FEATURE**

The SEPREMIUM depressurises the condensate immediately at the inlet stage. This feature allows the SEPREMIUM to be used in combination with every type of condensate drain. (timer controlled, intelligent type or float type).





### EXCELLENCE

The three SEPREAM models are designed to operate the same way. Differences are physical sizing to account for the various compressor capacities and condensate flows.

A key feature of the SEPREAM is the simplicity and ease of servicing. The elements are designed to be replaced/serviced in a time efficient way. They are also designed to be as light-weight as possible.

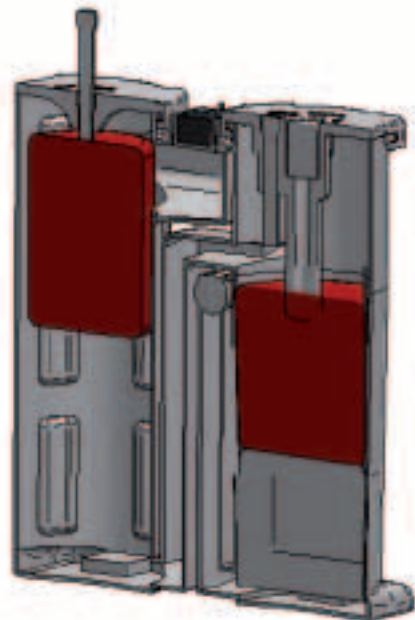
If you can service one SEPREAM – you can service them all.

**COMPRESSOR LUBRICANTS**

Roto-inject\*, Ultra-coolant\* and Sigma-Mol\* are lubricants used in compressors which from our market experience can form emulsified condensate.

In certain mineral oil lubricants, chemical additives are added which can increase compressor service interval moments, but at the same time causes condensate emulsification.

We have designed special elements to successfully separate the lubricant from water to an ecologically accepted oil residue level.



**SEPREMIUM SEPARATES**

The clever elements of the SERPEMIUM are designed for lubricant adsorbing flexibility.

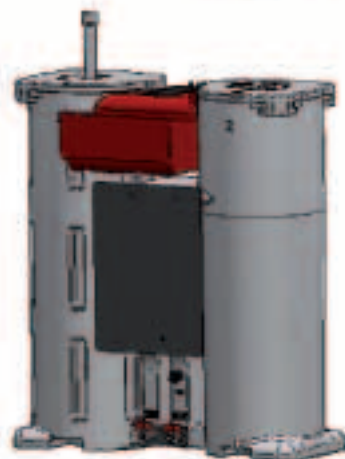
The selected element fibres have been specially selected and treated to maximise its supreme performance.

We have been able to design the SEPREAMIUM's elements in to a multi-stage configuration, offering an increased filtration efficiency.



**ELEMENT LIFTING HANDLES**

The elements will get heavier as they adsorb the lubricant. The designed combination of overall height of the separator, the conical shaped second tower, the compact element size and the element lifting handles – ensures a quick and easy servicing procedure.

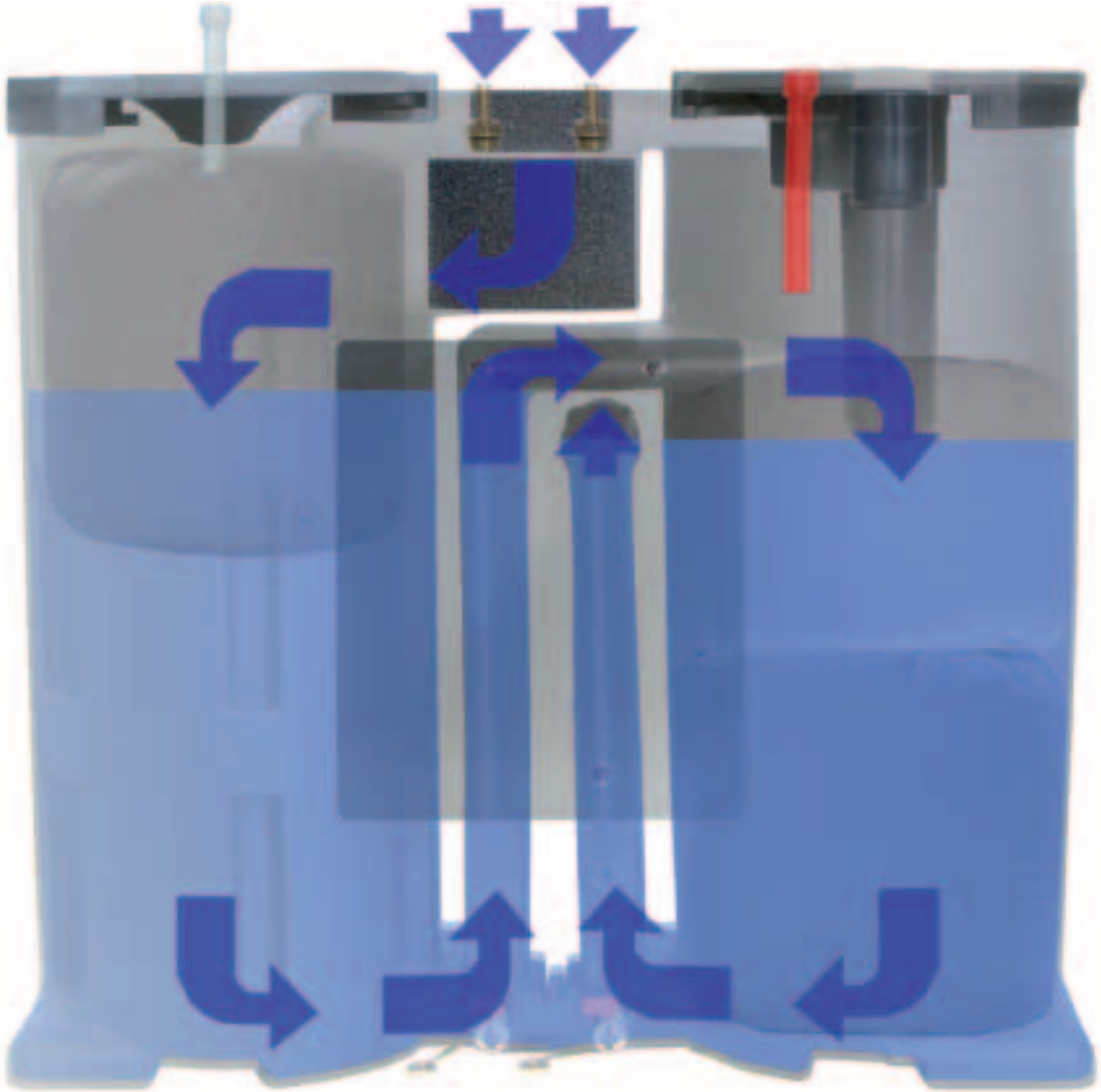


**ALL TYPES OF DRAINS**

The depressurisation chamber allows end-users to choose and apply any type of JORC condensate drain.

You may choose from our cost effective timer drains right through to our high efficiency range of zero air loss drains.

Roto-inject, Ultracoolant and Sigma Mol are registered trade names of produces of compressor lubricants.







**JORC Industrial BV**

Pretoriastraat 28  
NL-6413 NN Heerlen  
The Netherlands

Tel: +31 (0) 45 524 24 27  
Fax: +31 (0) 45 524 19 79

[info@jorc.nl](mailto:info@jorc.nl)  
[www.jorc.eu](http://www.jorc.eu)