

# neutrakon<sup>®</sup>

neutralisiert saure Kondensate



## **Neutrakon Pro Oil separator with cork and active coal as binding agent**

Developped for the industrial segment

Asselfingen

# Neutrakon Pro Oil separator with cork and active coal as binding agent

## **Presentation of oil separator**

Functional description

Cork as a binding agent

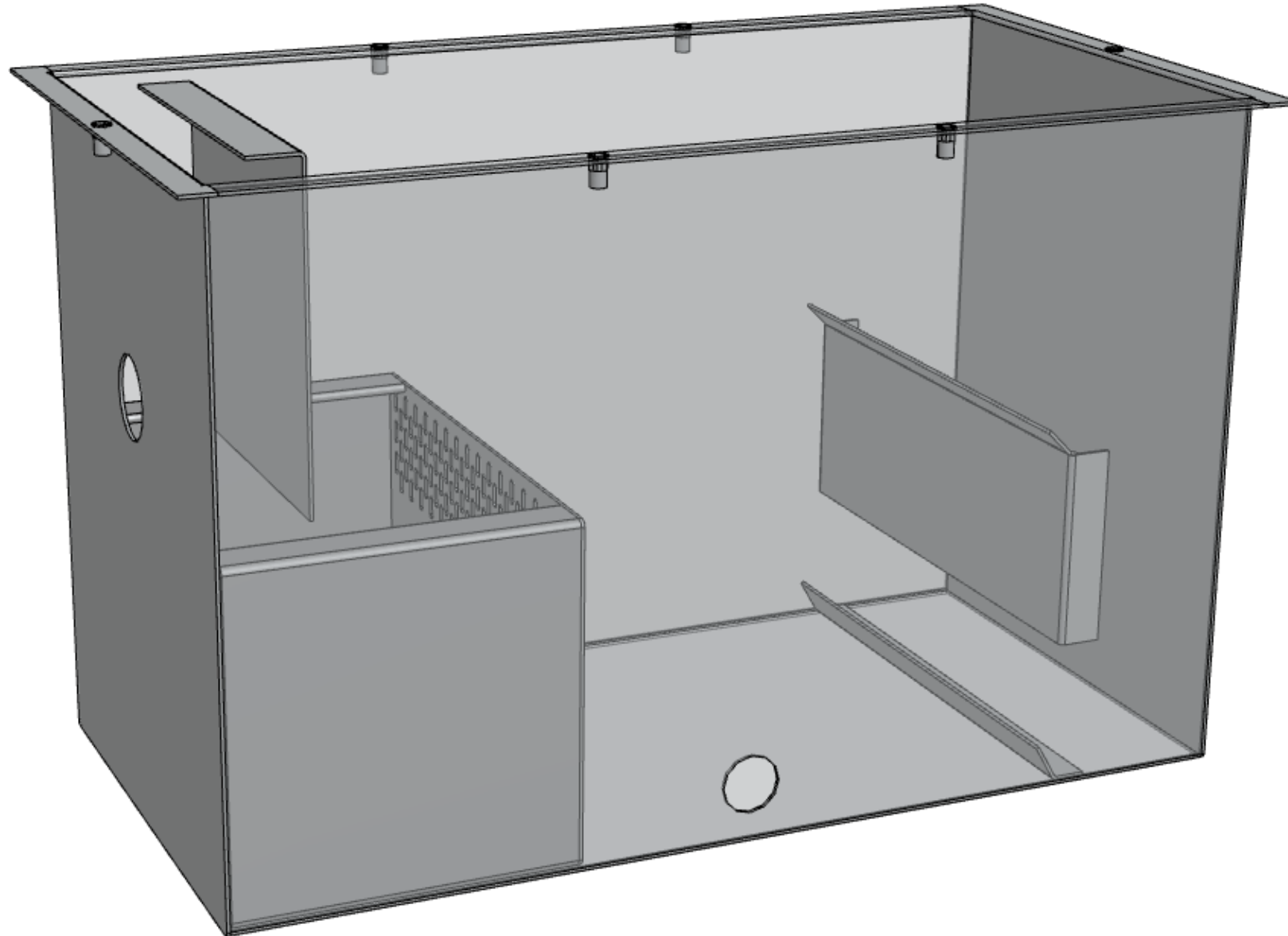
Easy commissioning

Easy maintenance

Technical data

Contact

# Neutrakon Pro Oil separator with cork and active coal as binding agent



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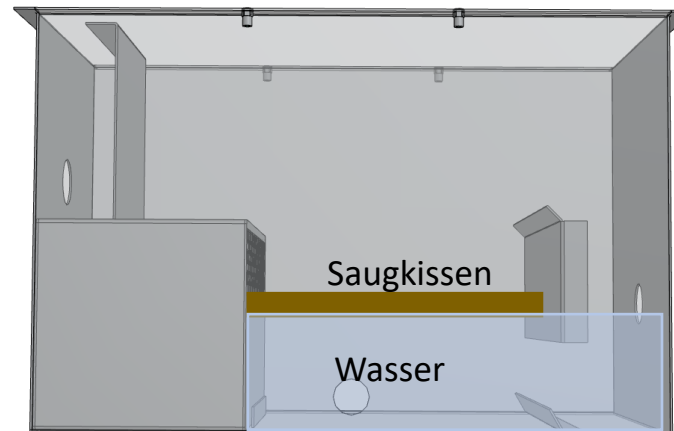
# Neutrakon Pro Oil separator with cork and active coal as binding agent

The new and innovative Neutrakon Pro oil separator is characterized by its well-thought-out and compact design made of corrosion-resistant V4A stainless steel.

Cork is already available as a binding agent in various sectors (water bodies, fire departments, airports, etc.)

Retain hydrocarbons easily and efficiently

Sustainable product, highly efficient thanks to the use of cork



Retention of solids through removable collecting basin

Use of natural and physical abilities

Compact dimensions:  
LxWxH:  
646mm x 350mm x 400mm

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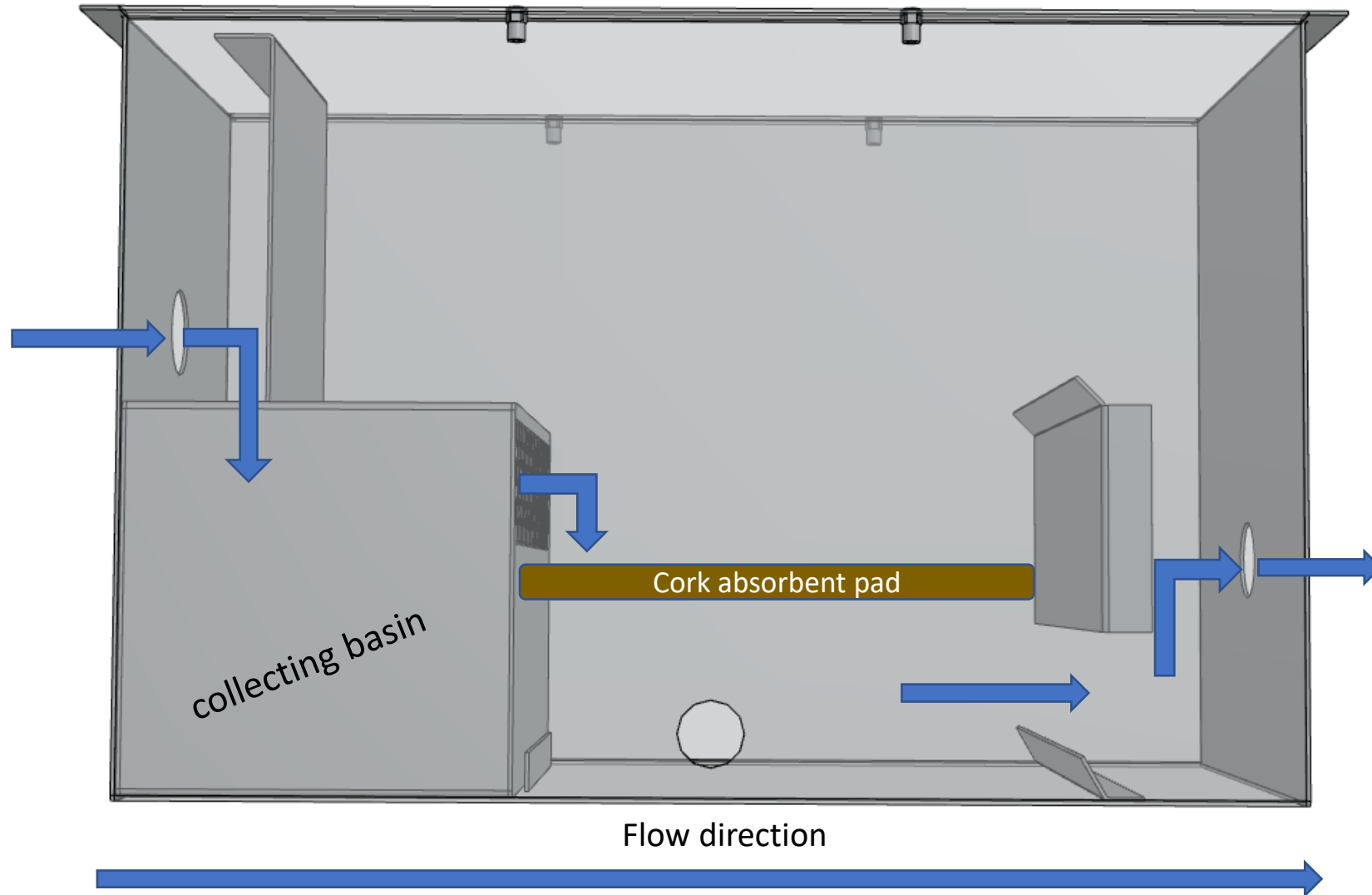
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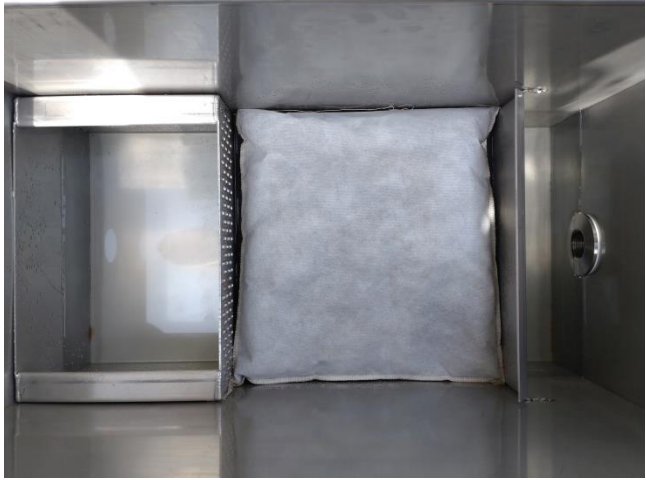
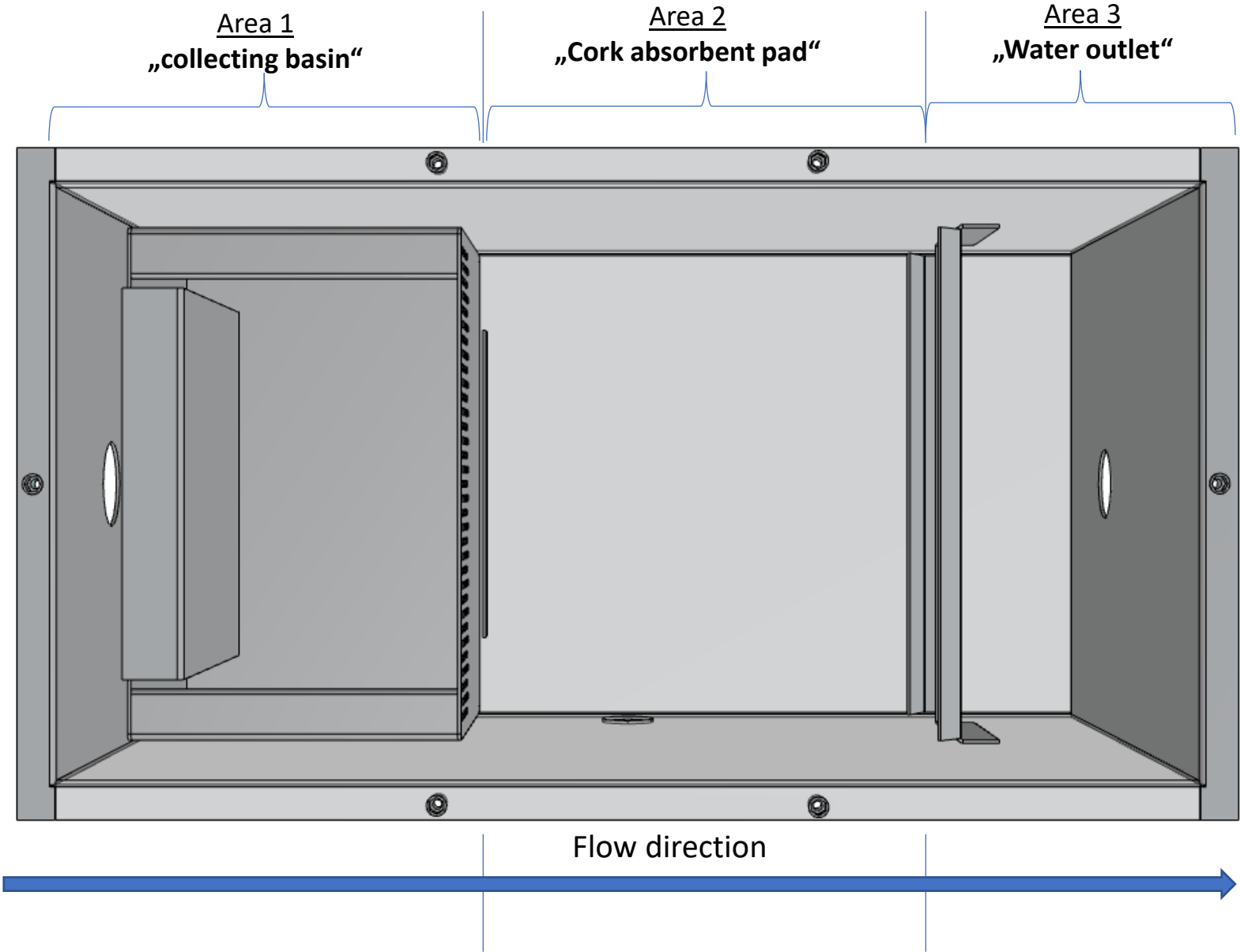
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# Neutrakon Pro Oil separator with cork and active coal as binding agent - function



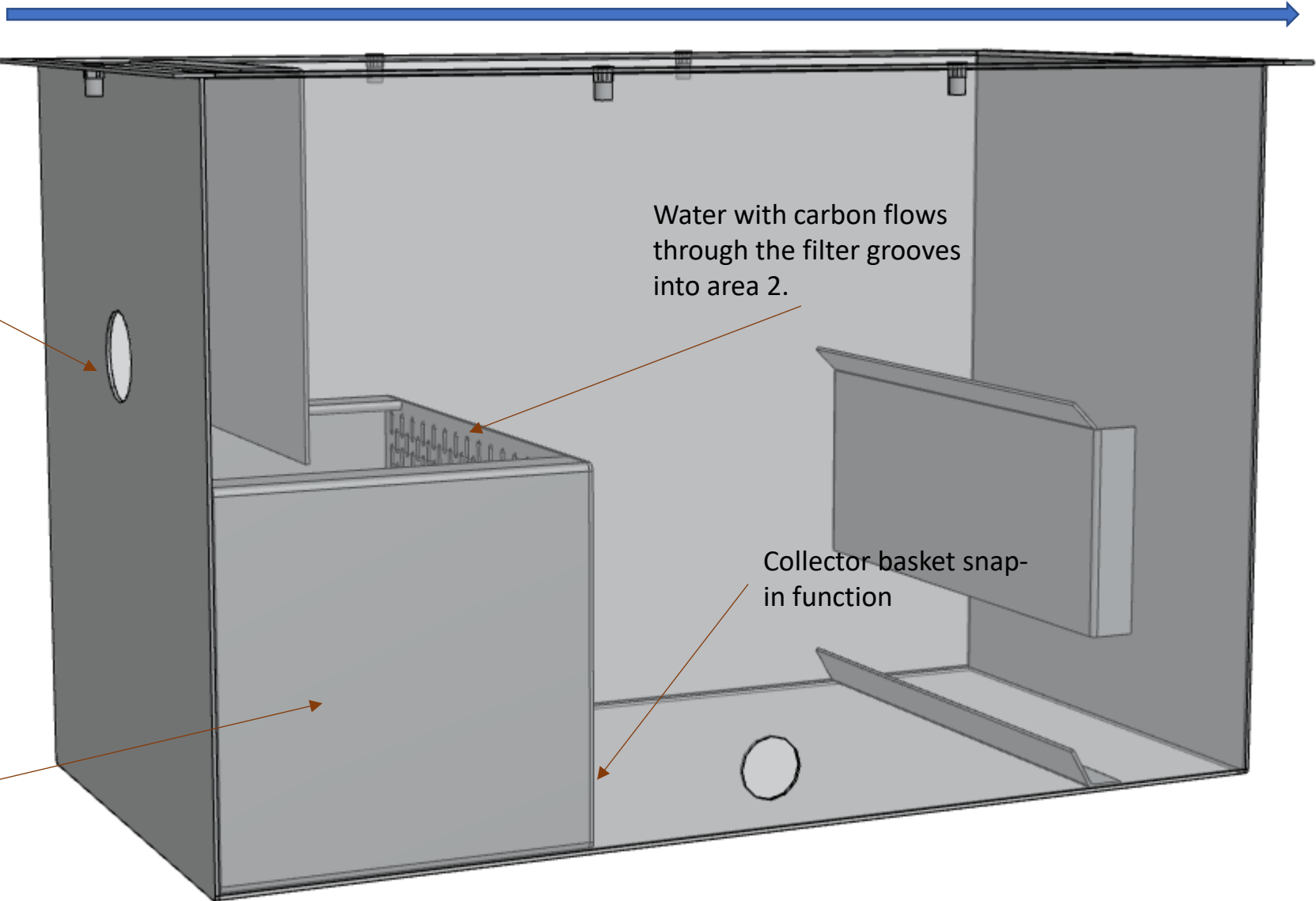


# Neutrakon Pro Oil separator with cork and active coal as binding agent - function



# Neutrakon Pro Oil Area 1 - „collecting basin“

Flow direction



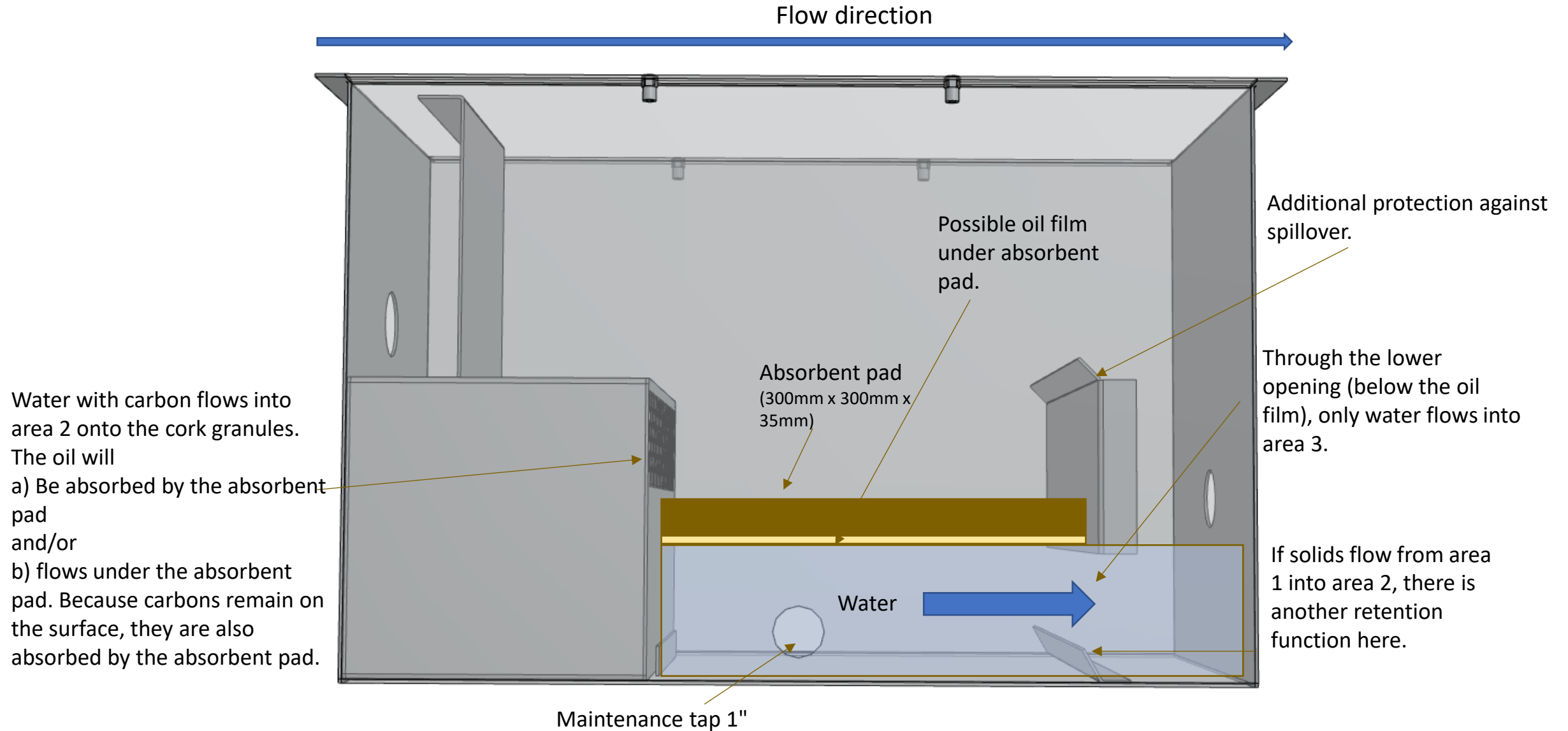
Inlet 1 ½"

Water with carbon flows through the filter grooves into area 2.

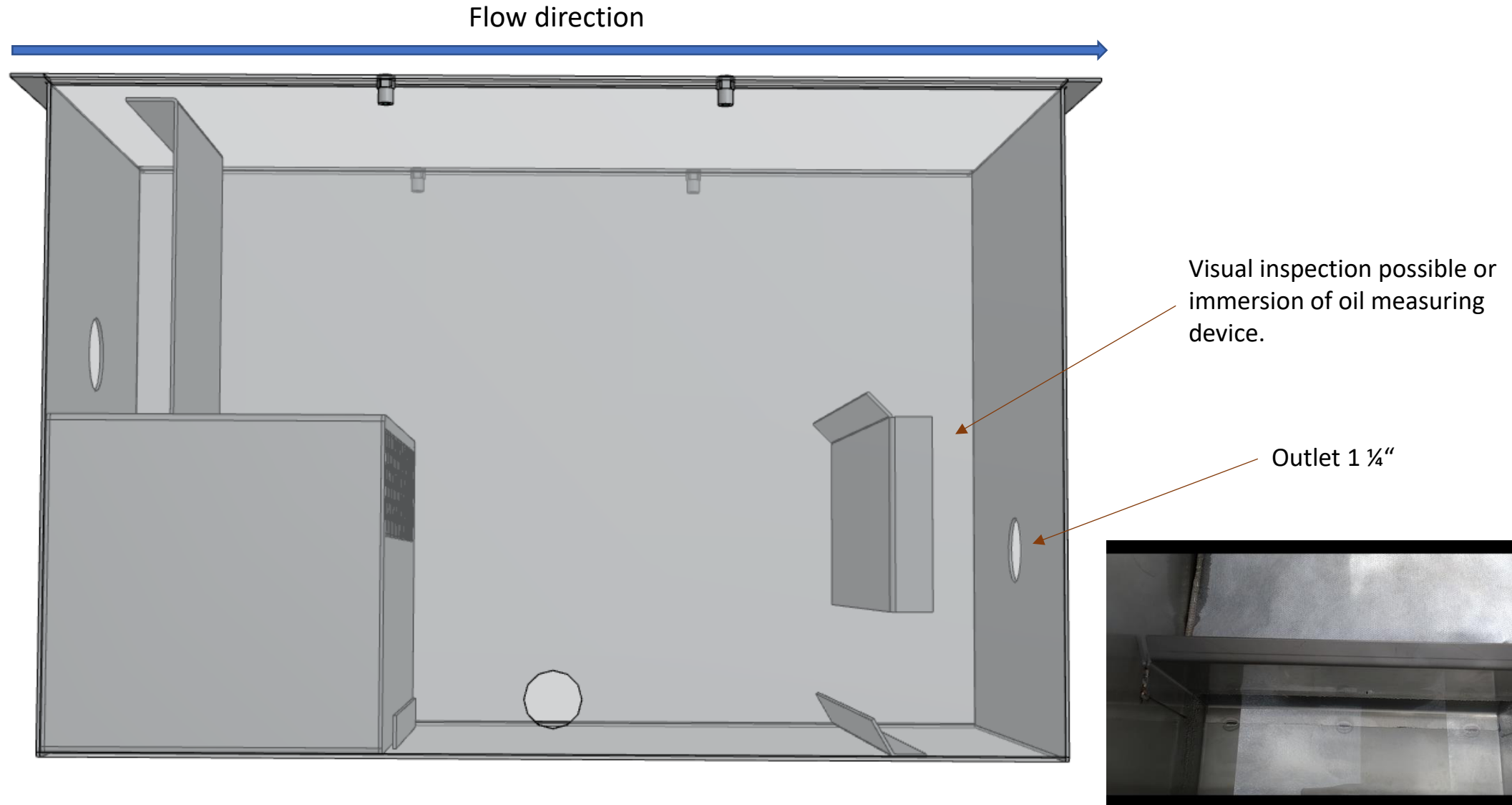
Collector basket snap-in function

Removable collection basket for festive organs. Solids are stored in the basket and cannot reach other areas due to the grooves.

# Neutrakon Pro Oil Area 2 – „Absorbent pad“



# Neutrakon Pro Oil Area 3 – „Water outlet“



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# Neutrakon Pro Oil – Why cork as binding agent?

100% natural,  
sustainable and  
renewable

Production process  
exclusively 100%  
natural; No additives

Instantly absorbs  
oil/hydrocarbon/che  
mical stains

High absorption  
capacity,  
Low bulk density

Not poisonous,  
no health risks

Hydrophobic (does  
not absorb water)

Provides a safe and  
hazard-free workplace

Non-abrasive  
Non-reactive

Unlimited durability

Super lightweight - very easy to  
handle and use, therefore  
operator efficiency increases  
and the risk of accidents is  
drastically reduced

DEKRA certified

Economical (less  
product/quantity  
required; only absorbs  
the pollutant)

Reduces waste  
generation



# Neutrakon Pro Oil – Why cork as binding agent?

Description	Binding behaviour	
Isopentyl acetate (99%)	Very good	😊
Pure acetone	Very good	😊
acetic acid	Very good	😊
hydrochloric acid (37%)	Very good	😊
Hydrofluoric acid	Very good	😊
Phosphoric acid (85%)	Very good	😊
nitric acid (65%)	Very good	😊
sulfuric acid (95-99%)	Very good	😐
Water	N/A	
Ethyl alcohol	Very good	😊
ammonia (25%)	Very good	😊
Thionyl chloride	Befriedigend	😐
Chloroform (pure)	Very good	😊
Crude oil	Very good	😊
Dichloromethane (pure)	Very good	😊
Diesel	Very good	😊
Dimethylformamide	Very good	😊



Description	Binding behaviour	
Styrene	Very good	😊
Ethyl ether	Very good	😊
Ethyl methyl ketone (pure)	Very good	😊
petrol	Very good	😊
Hexane (pure)	Very good	😊
Ammonium hydroxide (35%)	Very good	😊
Sodium hydroxide(99%)	Very good	😊
Isopropanol	Very good	😊
Methanol	Very good	😊
sunflower oil	Very good	😊
Engine oil	Very good	😊
Hydrogen peroxide	Very good	😊
Carbon tetrachloride	Very good	😊
Tetrahydrofuran	Very good	😊
Toluene (pure)	Very good	😊
Trichlorethylene	Very good	😊
Xylene	Very good	😊

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Cork as a binding agent

**Easy commissioning**

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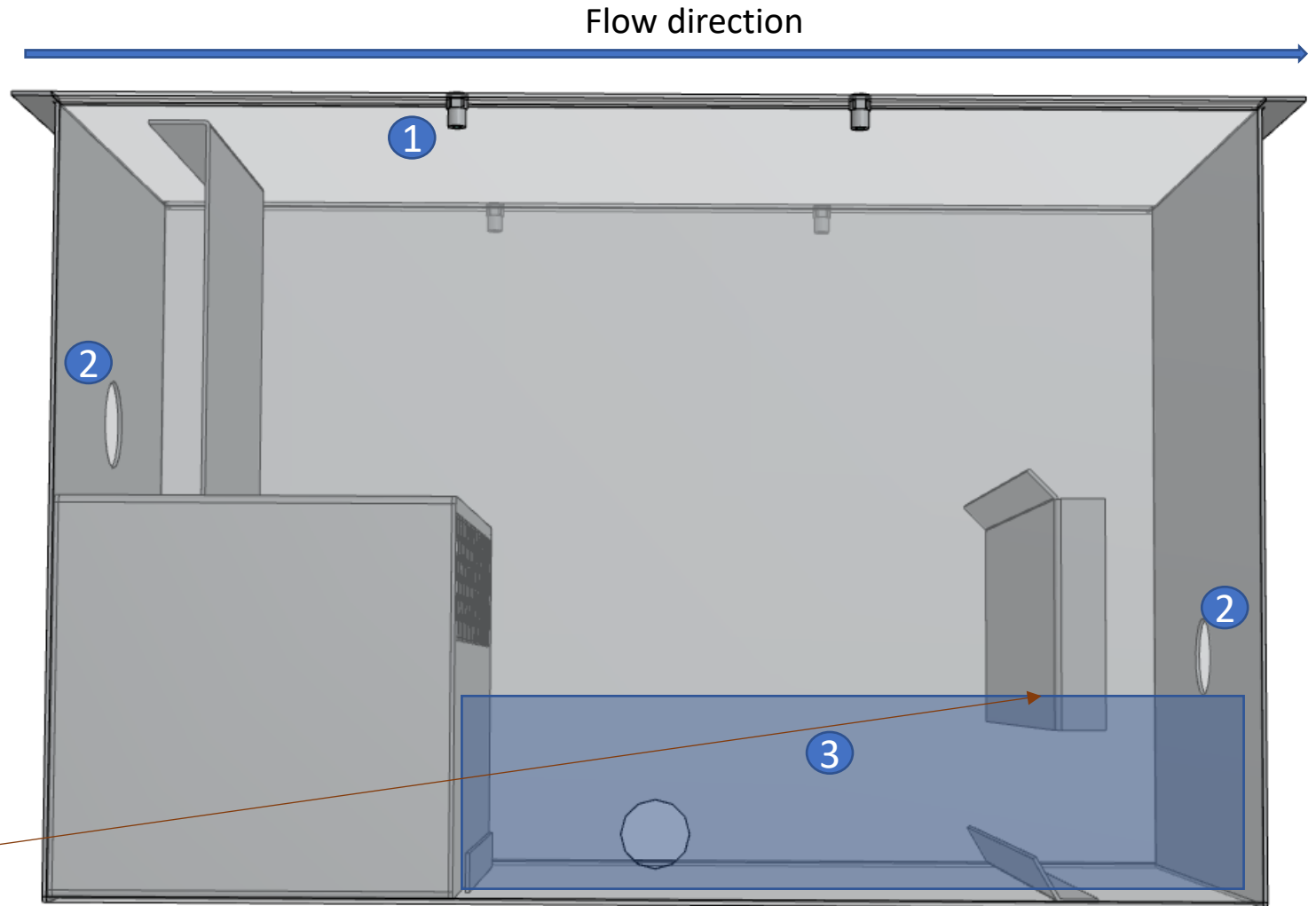
# Neutrakon Pro Oil Commissioning – 6 simple steps!

- 1 Make sure the oil separator is level on the floor. Do this using a spirit level.

Loosen the cover by removing the 6 screws and lift it up.

- 2 Make sure the inlet and drain connections are tight and tight. Make sure the maintenance tap is tight, tight and closed.

- 3 Fill with water to a height of approx. 90 mm until the partition on the exit side is in the water but the drain is still free of water.



# Neutrakon Pro Oil Commissioning – 6 simple steps!

- 4 Insert the cork absorbent pad 30x30 in area 2.

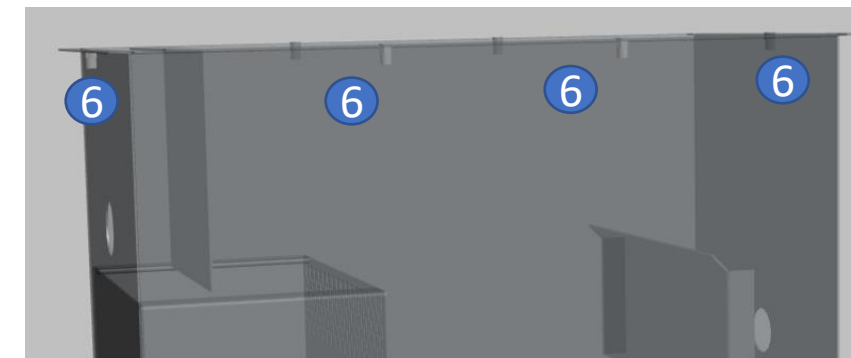


- 5 Make sure that the cork absorbent pad does not cover the grooves of the collecting basin!



- 6 Mount the cover on the system using the 6 screws.

**The system is ready!**



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Presentation of oil separator

Functional description

Cork as a binding agent

Easy commissioning

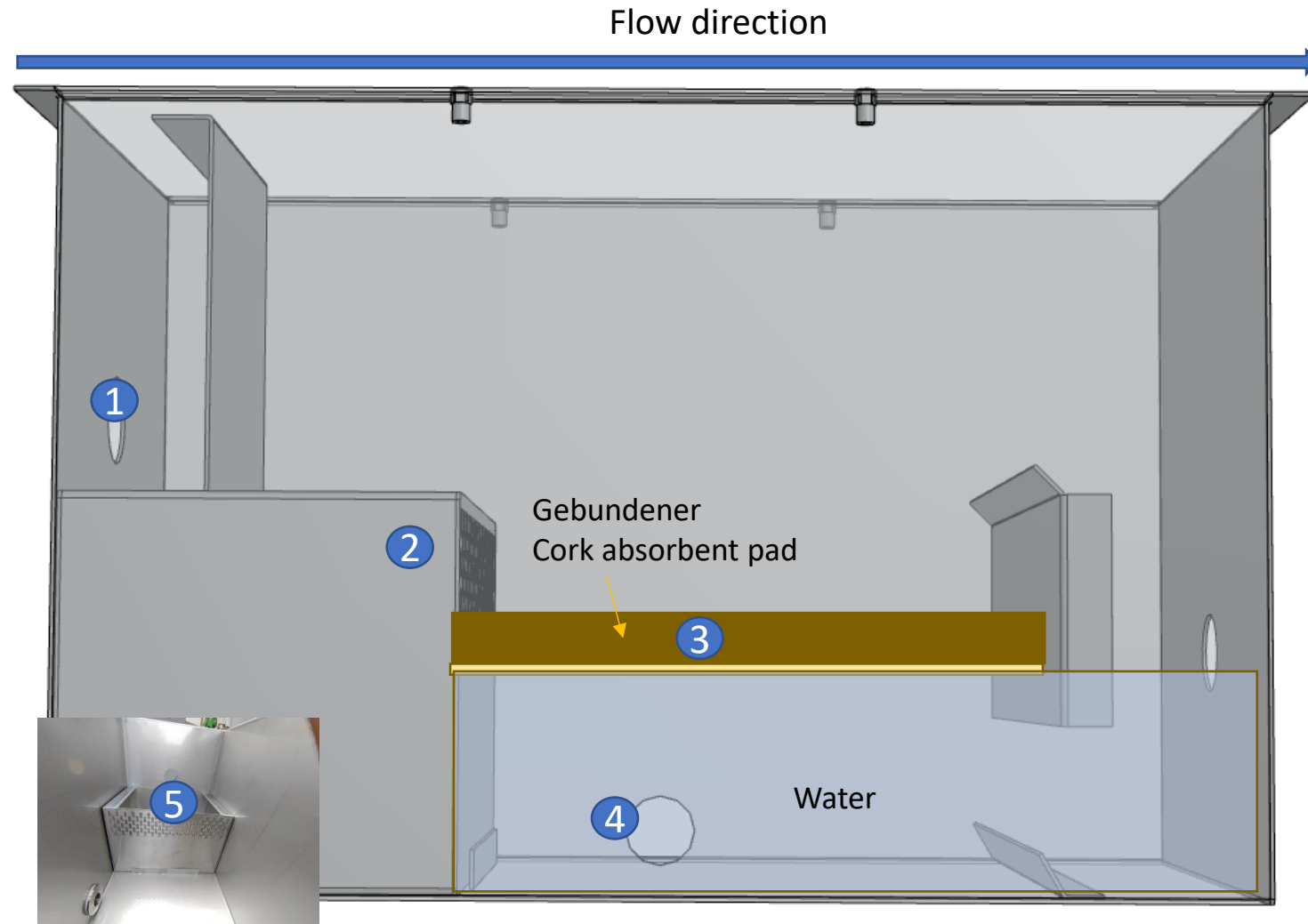
**Easy maintenance**

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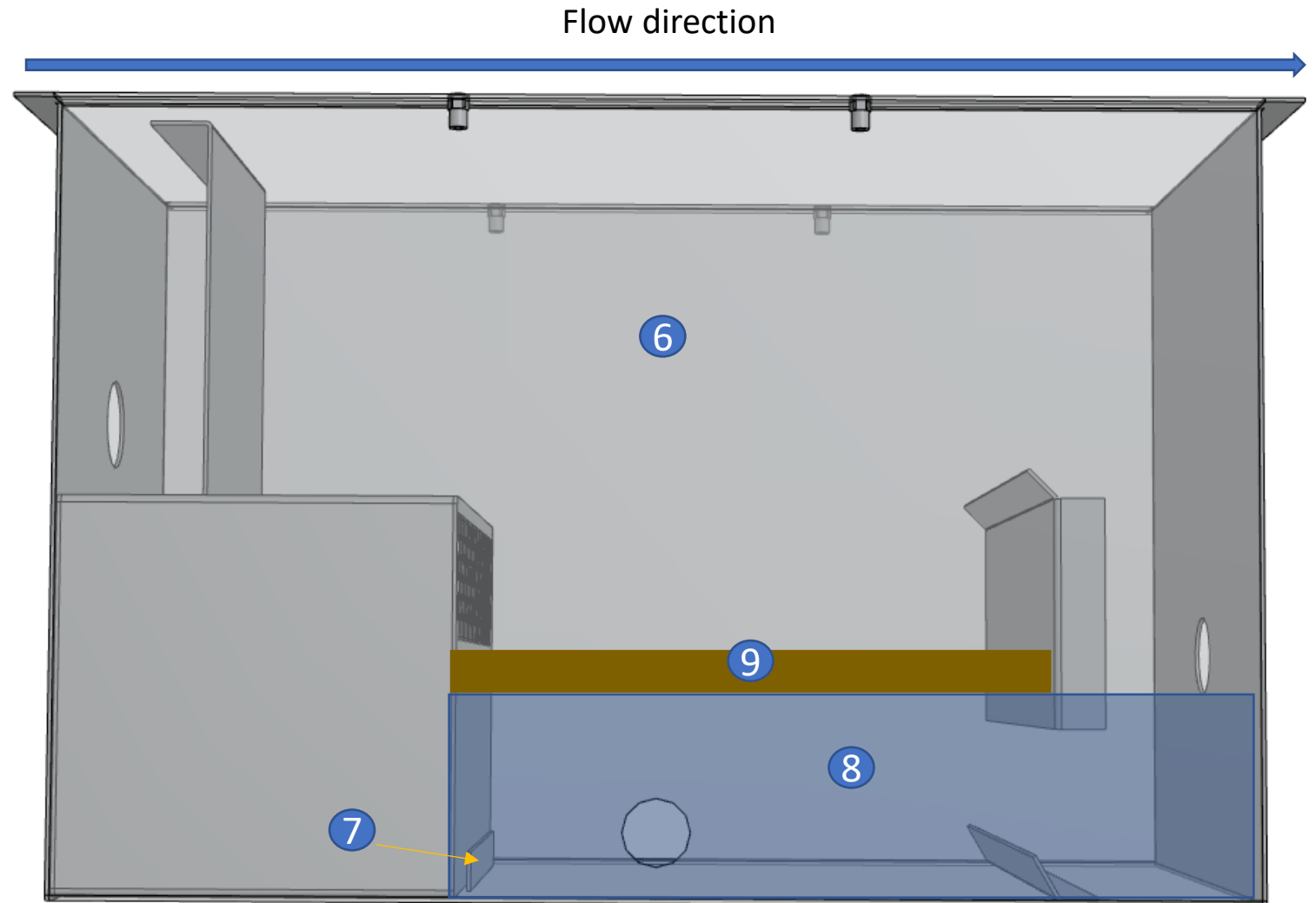
# Neutrakon Pro Oil - Maintenance

- 1 Make sure that no more condensate can flow into the system!  
Loosen the cover by loosening the 6 screws and lift it up.
  - 2 Rinse the collection basket with a water hose and “push” any remaining hydrocarbons in the collection basin towards the suction pad.
  - 3 Remove the bound cork absorbent pad.  
The bound granules can be put into a bag. Please observe local regulations for disposal.
  - 4 Now open the maintenance tap to empty the system after the visual inspection has shown that there are no significant residues on the floor.
  - 5 When the system is empty, you can remove it from the collection basin. To do this, use the handles on the sides.
- After the visual inspection shows that there are no significant residues on the floor, rinse the collection basin.



# Neutrakon Pro Oil - Maintenance

- 6 Flush the system completely!  
Close the maintenance tap.
- 7 Place the collecting basin back in place using the snap-in function.
- 8 Fill with water to a height of approx. 90 mm until the partition on the exit side is in the water but the drain is still free of water.
- 9 Place a 30x30 cork absorbent pad in area 2.



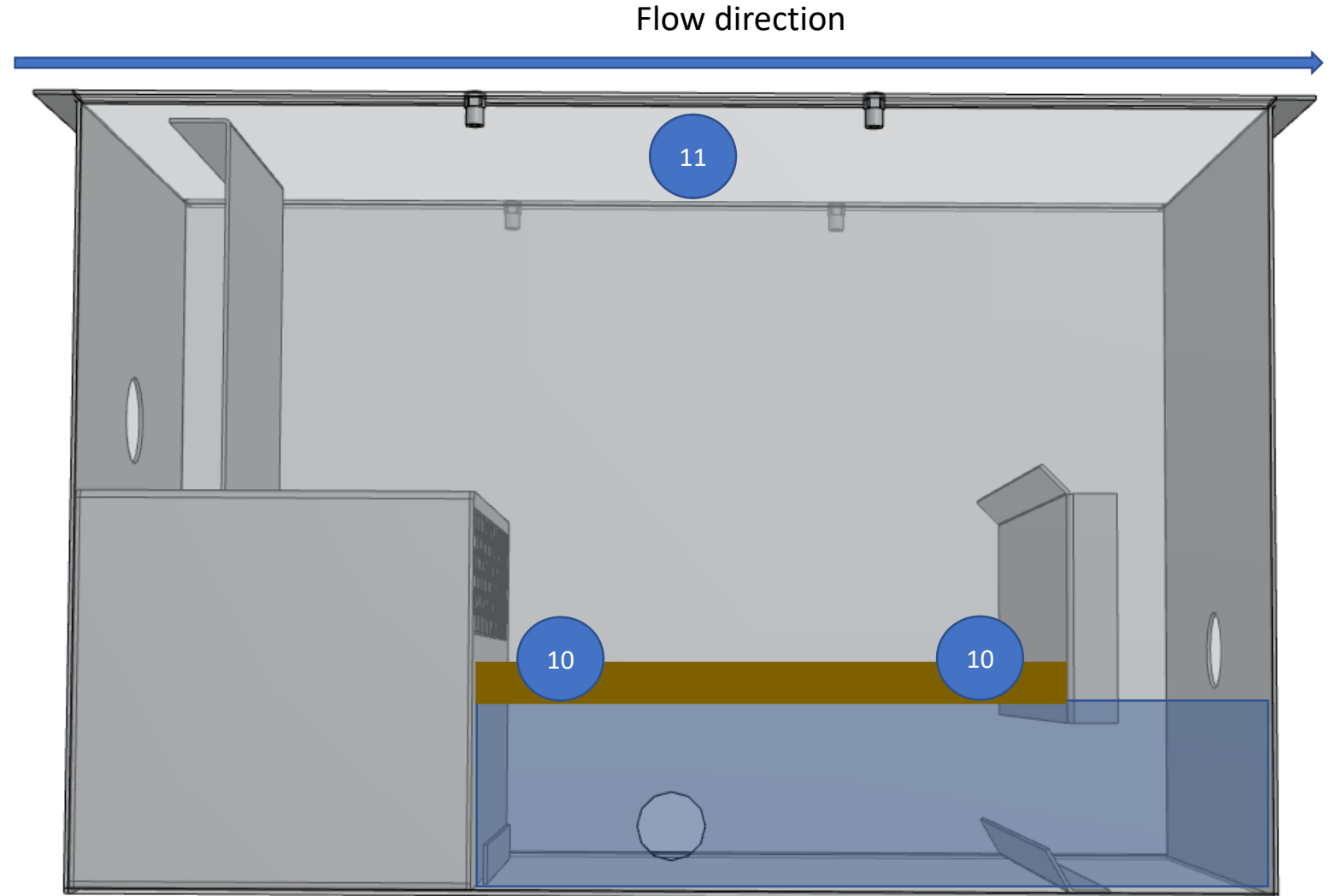
# Neutrakon Pro Oil - Maintenance

- 10 Make sure that the filling quantity does not exceed the grooves in the collecting basin!



- 11 Mount the cover on the system using the 6 screws.

**The system is ready!**



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Cork as a binding agent

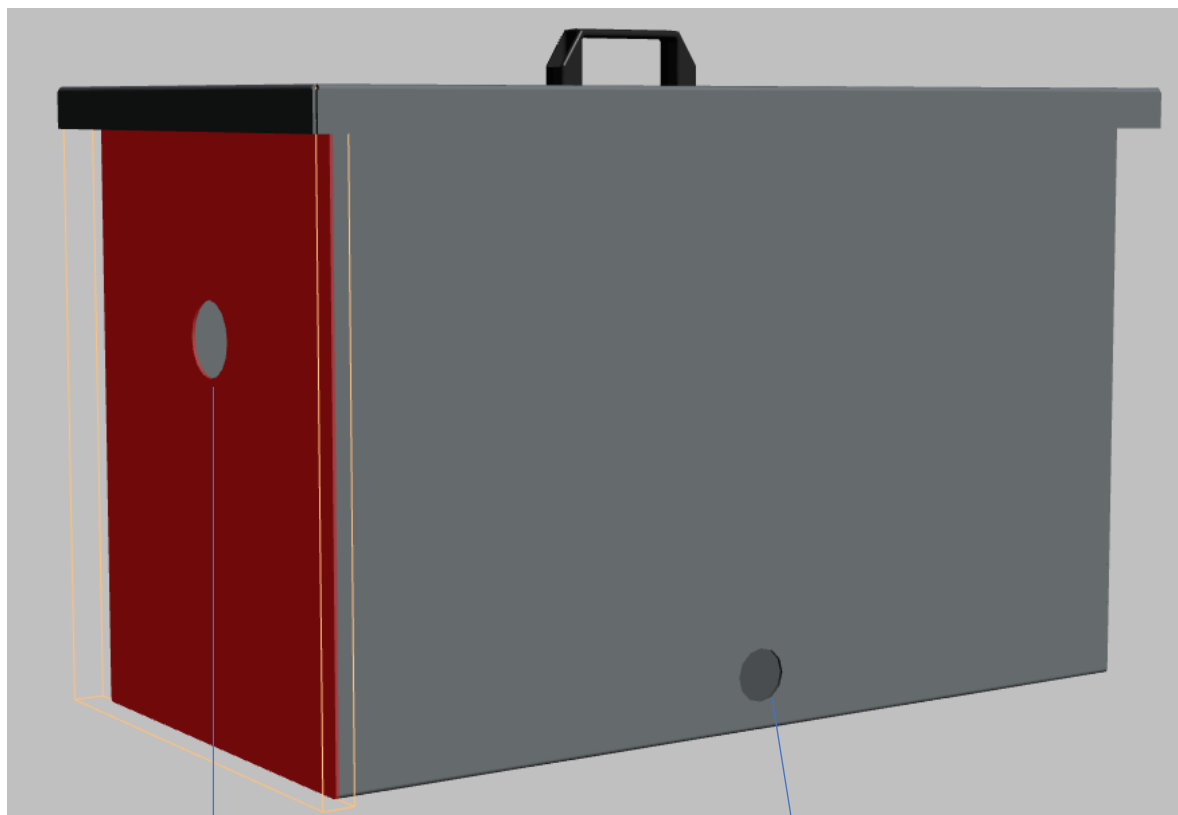
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**Technical data**

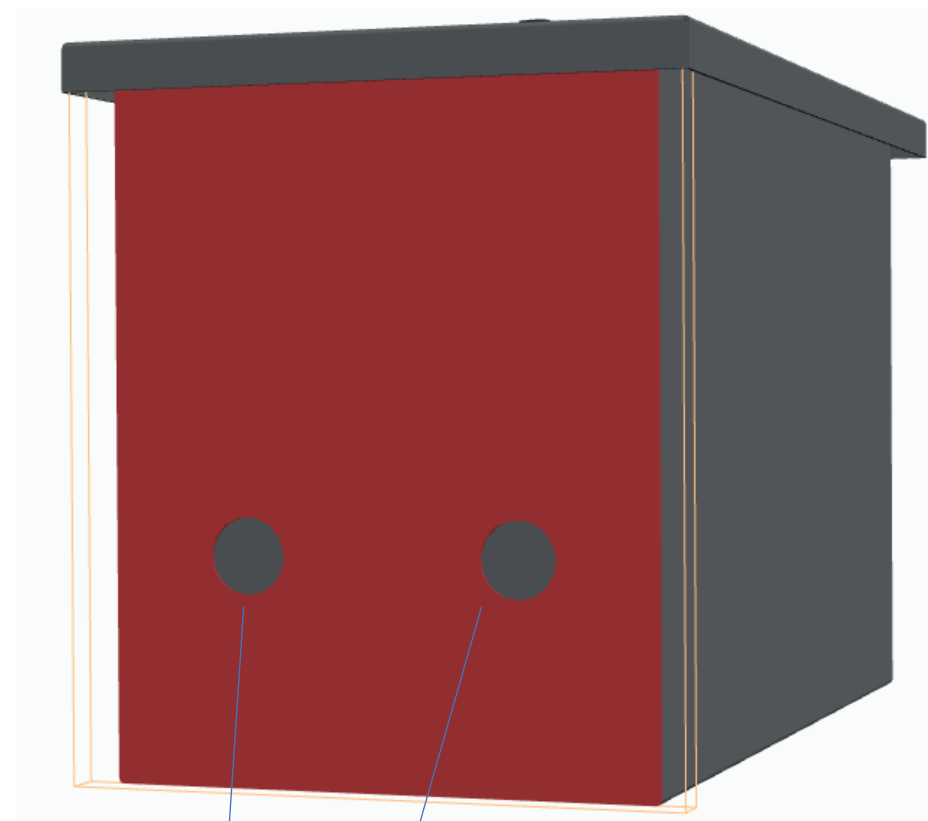
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# Neutrakon Pro Oil with cork granules - dimensions



Inlet height 280mm

Maintenance lid height 35mm



Outlet height 125mm



# Neutrakon Pro Oil – Technical data

Technical Data	
Suitable for	Separator hydrocarbons for condensates from fuel-operated large heating systems, CHP
Output	/
Max. flow rate (l/h)	1500
Execution	stainless steel V4A
Weight stainless steel box	15 kg
Weight stainless steel lid	5 kg
Weight collecting basin	5 kg
Total weight (box, lid, basin)	25 kg
Filling quantity of cork granules	1 x absorbent pad 30 x 30 cm
Absorption amount of hydrocarbons	2,5 L
Dimensions (without connections)	Length 646mm mm; width 350mm; height 400mm
Dimensions (with connections)	Length 700mm; width 400mm; height 400mm
Number of baskets	1
Inlet connection (1x)	1 ½" External thread (47,81mm-41,91mm)
Outlet connection (2x)	1 ¼" External thread (41,91mm-33,25mm)
Height (inlet/outlet/maintenance tap)	280mm ; 125mm ; 35mm
Maintenance tap	1"
Mommertz item number	098010
Compatible with	Neutralisation Neutrakon Pro SN60 / SN90

