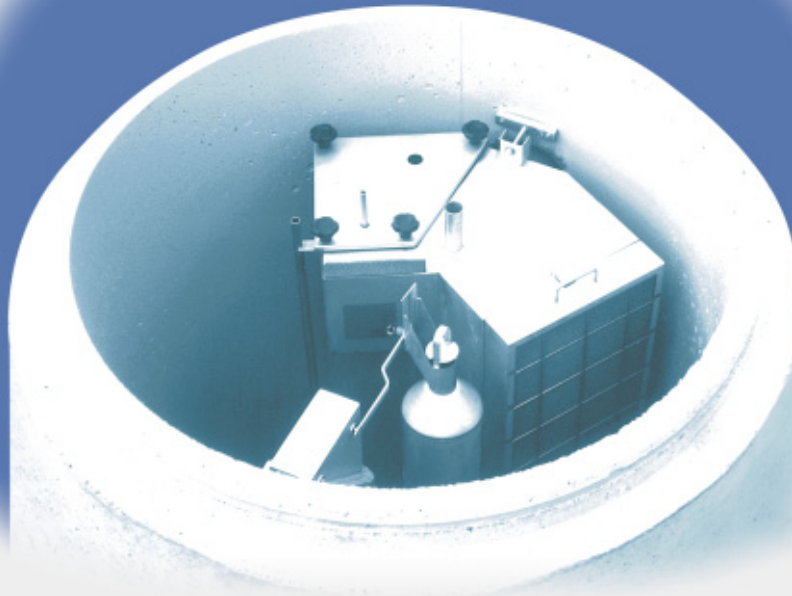


# oil water separator **ecoSep NS20** installation of stainless steel components



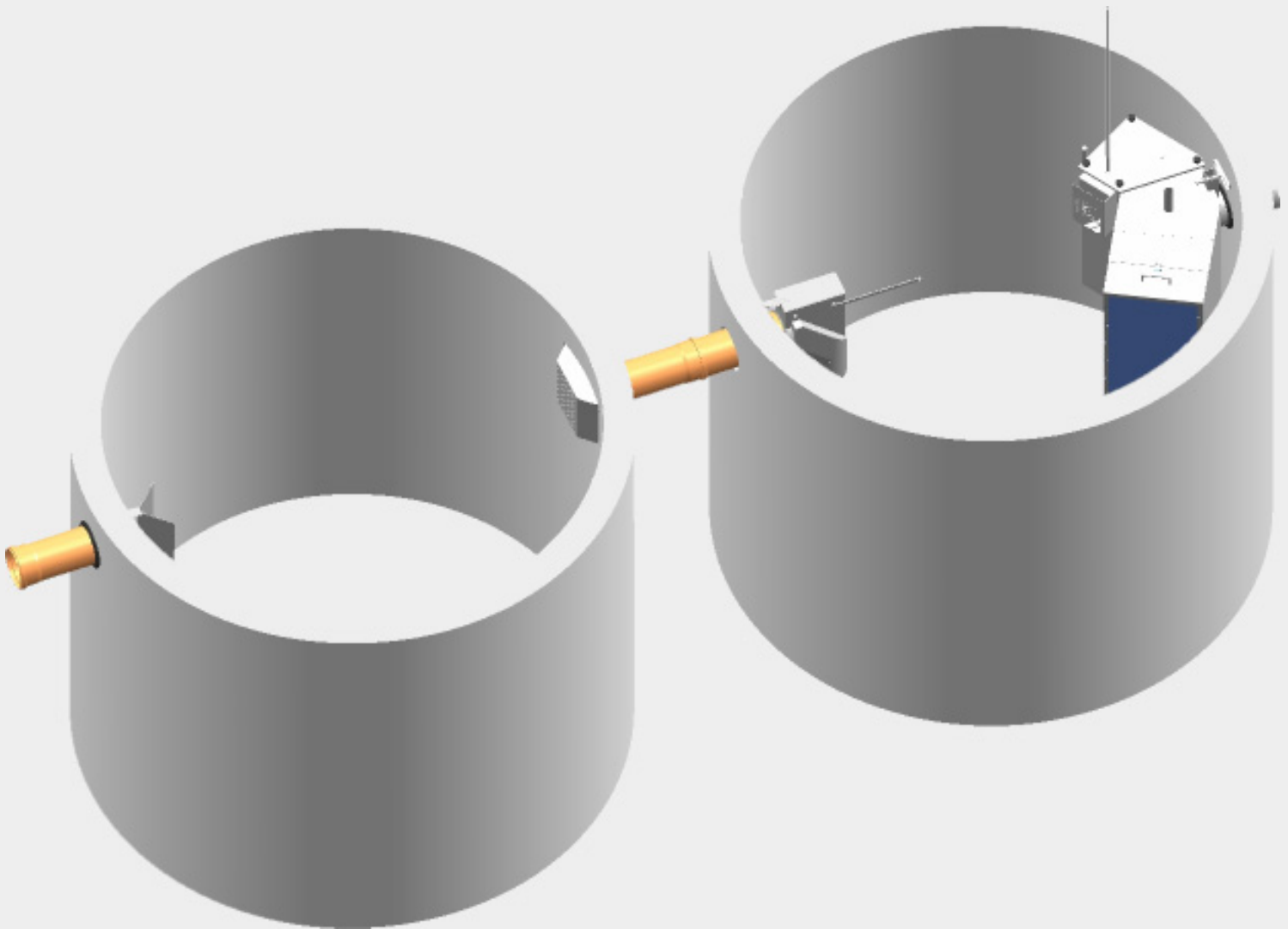
ecoSep

# oil water separator **ecoSep NS20** installation of stainless steel components

## 1) Preparation of concrete tanks:

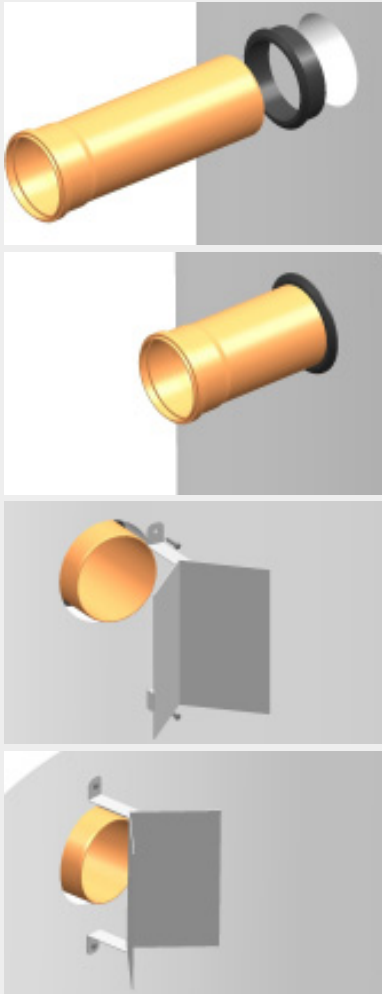
Manhole base to be used for the installation of the stainless steel components for the ecoSep must have the following preliminary steps done first:

- A) Interior of base section coated with epoxy paint or lined with PE liner.
- B) Manhole base section must be set on concrete pallet and pallet leveled.



# oil water separator **ecoSep NS20**

## installation of stainless steel components

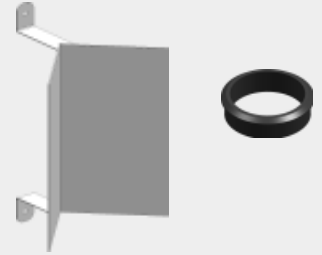


### 2) ecoSep grit chamber:

#### 2.1.) Installation of ecoSep inlet diffuser

Components required:

(101828) inlet diffuser for grit chamber (1x)  
 (XXXXXX) compression gasket DN250 NBR (1x)  
 (100674) mounting material for ecoSep  
 (XXXXXX) 225 PVC pipe stub (500mm long), not provided



Core hole for grit chamber inlet at predetermined elevation.  
 Hole diameter for DN250 NBR gasket: 276mm

Insert compression gasket at the outside of the manhole and push a (500mm long) 225 PVC stub from the outside of the manhole into the inlet boot.

Hold inlet diffuser to the center of the hole and make marks for two anchor holes.

Drill 2 anchor holes using a 10 mm masonry drill bit to desired depth.

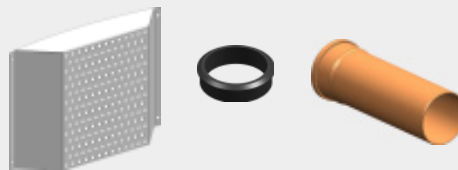
Insert provided plastic anchors.

Secure inlet diffuser with 2 stainless steel bolts that are provided.

#### 2.2.) Installation of ecoSep outlet screen

Components required:

(101830) outlet screen for grit chamber  
 (100893) compression gasket DN200 NBR (1x)  
 (100932) PVC pipe DN200x500  
 (100674) mounting material for ecoSep

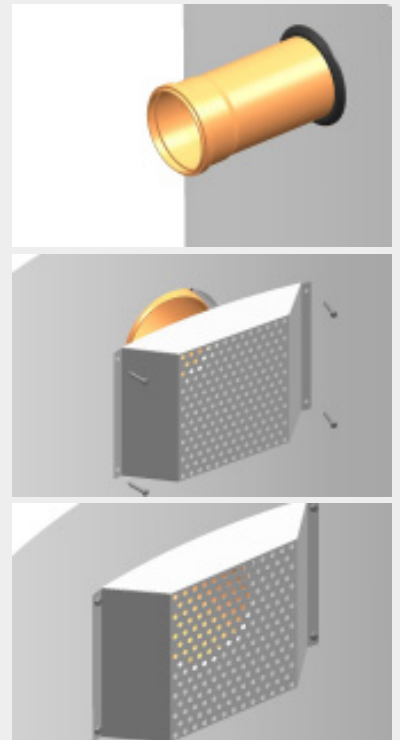


Core hole for grit chamber outlet at predetermined elevation.  
 Hole diameter: ecoSep NS20: 226mm

Hold outlet screen to the center of the hole and make marks for 4 anchor holes.

Drill 4 anchor holes using a 10 mm masonry drill bit to desired depth. Insert provided plastic anchors.

Insert compression gasket at the outside of the manhole and push a (500mm long) PVC stub from the outside of the manhole into the inlet boot.



# oil water separator **ecoSep NS20**

## installation of stainless steel components

### 3. ecoSep separation chamber

#### 3.1.) Installation of spill control valve

Components required:

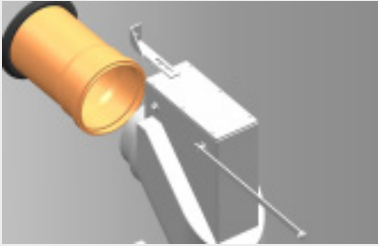
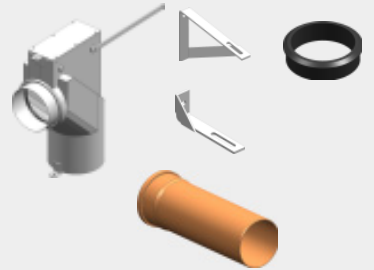
(100032) spill control valve DN200

(101804) mounting bracket for spill control valve DN200/1

(101804) mounting bracket for spill control valve DN200/2

(100893) compression gasket DN200 NBR (1x)

(100932) PVC pipe DN200x500



Core hole for spill control valve at predetermined elevation.

Hole diameter: ecoSep NS20: 226mm

Mount brackets (101804) and (101805) to the valve as shown in drawing no. 999XXX.

Insert compression gasket DN200 NBR at the inside of the manhole.

Lubricate and push provided PVC pipe DN200x500 from the inside of the manhole into the inlet boot.

Lightly lubricate the pipe stub of the valve and push it into the bell section of the PVC pipe and make marks for 2 anchor holes.

Drill 2 anchor holes using a 10mm masonry drill bit to desired depth. Insert provided heavy duty anchors.

Secure valve with 2 stainless steel bolts that are provided.

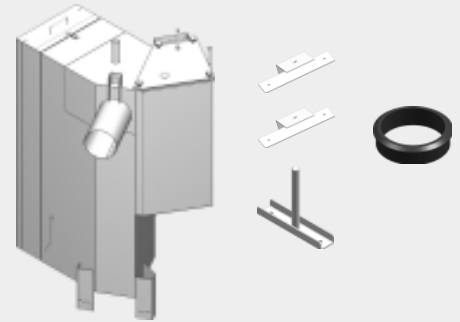


# oil water separator **ecoSep NS20** installation of stainless steel components

## 3.2.) Installation of ecoSep outlet structure

Components required:

- (100900) coalescing outlet structure NS20
- (100893) compression gasket DN200 NBR (1x)
- (100388) holding device, adjustable (1x)
- (100975) mounting bracket for circular structures (2x)
- (101841) mounting material



Core hole for grit chamber inlet at predetermined elevation. Hole diameter: ecoSep NS20: 226mm

Insert compression gasket DN200 NBR at the inside of the manhole.

Using the prefabricated steel jig, mount in the outlet opening (lower of the two cored holes) and place in the installed gasket. Use a torpedo level to ensure the jig is level. After the jig is level, mark the six holes (2 in the top & 4 in the bottom of jig) to be drilled.

Drill jig-marked anchor holes using the prescribed masonry drill bit diameter to desired depth. Insert anchors and secure.

Secure both mounting brackets for circular structures to the 4 bottom holes with stainless steel bolts that are provided. Do not tighten bolts down, leave bracket loose.

Secure upper stainless steel holding device to the 2 top holes with stainless steel bolts that are provided. Do not tighten bolts down, leave bracket loose.

Lower the stainless steel outlet structure into the base section. Guide outlet structure into the base section to avoid scratching or damaging the interior coating.

A clevis is inserted into the bolt opening on the top flange of the outlet structure for lowering into base section. The clevis bolt must be inserted from the opposite side from the pipe stub so it can be removed after placement into the base section.

Stack dunnage to allow the stainless steel outlet structure to rest on once it is lowered into the base section.

Introduce pipe stub of outlet structure into the compression gasket and secure outlet structure with upper stainless steel holding device.

Move structure to secure it to mounting brackets with two bolts (one on either side).

Remove the four black hand bolts and the stainless steel cover to reveal the internal level in the outlet structure. Adjust positioning of outlet structure until unit is level. Side to side leveling is done from the bottom brackets. Forward and back adjustments are done from the top mounting bolt. Once the bubble in the level is centered in the circle, tighten the bolts on the bottom bracket and the nut on the top mounting bolt.

Take a 6' length of pre-cut pressure hose and stainless steel clamp to the pipe on the side of the outlet structure.

