

6.11 Condenser removal, installation and adjustment



Check:

- Water doesn't drain out even though the water pipes are clear.
- Excess steam comes out from the steam outlet on top of the unit.



Information:

- A dirty or poorly adjusted condenser disrupts the steam control in the bypass and thereby can cause poor cooking results and can damage the unit.
- The oven must be horizontally aligned using the adjustable feet.



Safety:

- Only use CONVOTHERM **CONVOclean** or **CONVOclean forte** when cleaning the oven outlet and the demoisturising piece.
Attention! Observe cleaning instructions on the package.
- Only use CONVOTHERM **CONVOCAL** when descaling the oven outlet and the demoisturising piece.
Attention! Observe instructions on the package!
- When cleaning or descaling, observe the safety instructions on the labels and the safety information for the cleaner and descaler. Make sure to use the protective equipment provided with the unit.
- There is danger of low pressure damage when these service instructions are not observed.



Instructions – Condenser removal:

- Measure distance **X** on the condenser fastening **17** between the oven floor **18** and the condenser. (This measurement will be necessary when installing the condenser).
- Remove the breather pipe **20** from the top of the condenser (hose fitting).
- Remove the probes **12 B 3** and **B 5**, the bypass pipe **14+15**, the water injector **11** and the hose to the drip tray **21**.
- On OSP also remove the water inlet to the demoisturiser **11**.
- Loosen the stop nut and washer on the back of the condenser **17**.
- Swing the condenser back towards the water connection, so that the holding pin **22** in front on the oven outlet, clips out of the bayonet catch.
- Press condenser down.
- Clean condenser with CONVOTHERM **CONVOclean** or **CONVOclean forte**. Afterwards, flush thoroughly with water using the hand shower.
- On OSP, remove the demoisturising units **5+6+7**, clean and if necessary descale (see Service Handbook 6.3 Demoisturising). By heavy scale build-up, descale chemically with CONVOTHERM **CONVOCAL**.



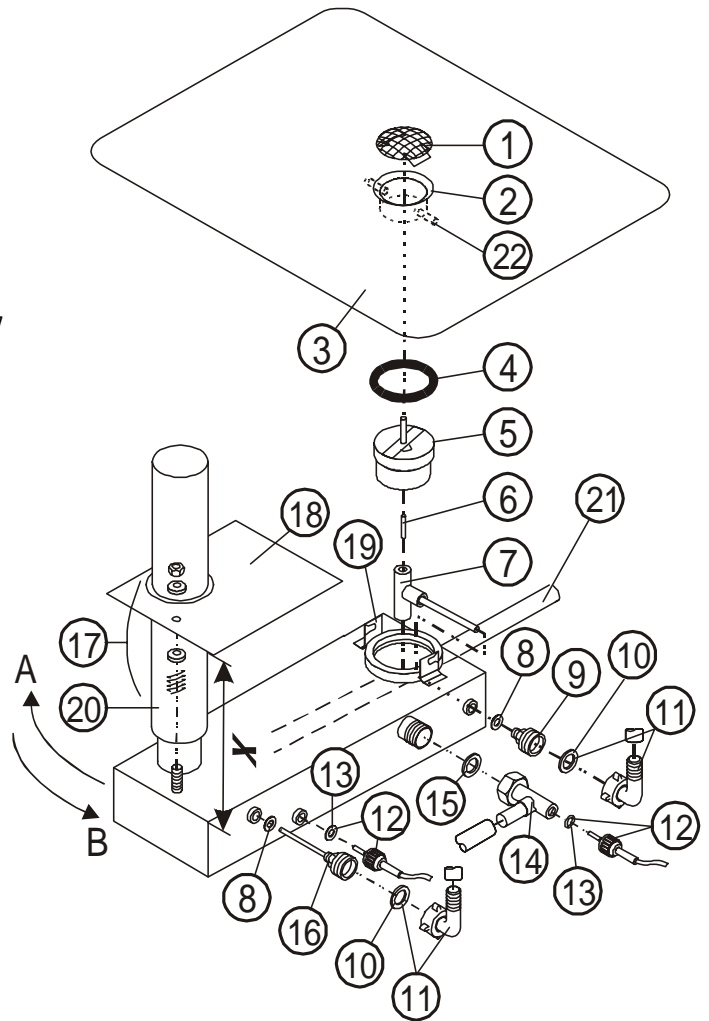
Instructions – Condenser installation:

- On OSP, before installing the condenser, install the demoisturising units **5+6+7** in the condenser (see Service Handbook 6.3 Demoisturising).
- Set a new O-ring **4** (smear with lubricant i.e. cooking oil) on the oven outlet **2** and press up. The condenser must be facing slantwise towards the rear (towards the water connection).
- Turn the condenser, so that the holding pin **22** on the oven outlet catches in the bayonet catch **19**.
- Tightly screw condenser onto the oven floor **18** with stop nut **17** and washer. To adjust the condenser, see the next page.
- Install the probes **12 B 3** and **B 5** (incl. seal), the bypass pipe **14+15**, the water injector **11** and the hose to the drip tray **21**.
- On OSP, install the water inlet to the demoisturiser **11**.
- Replace the breather pipe **20** on the top of the condenser.
- After adjusting the condenser and performing a final check (see next page), replace the drain filter **1** into the oven drain **2**.

- 1 = Drain filter
- 2 = Oven outlet
- 3 = Oven floor
- 4 = O-ring 6005069
- 5 = Demoisturising unit 2004217
- 6 = Tappet
- 7 = T-piece - pipe insert
- 8 = O-Ring 6005235
- 9 = Injector piece demoisturiser 2000027
- 10 = Flat seal 6005057
- 11 = Elbow hose fitting 6006076
- 12 = Thermocouple probe 5002100
- 13 = Thermocouple probe – seal 6005260
- 14 = Bypass pipe 2000097
- 15 = Flat seal 6005056
- 16 = Injector condenser 2000026
- 17 = Condenser fastening
- 18 = Oven floor
- 19 = Bayonet catch on condenser
- 20 = breather pipe
- 21 = Hose to drip tray
- 22 = Holding pin for bayonet catch

6+7= Water inlet set for demoisturiser
 → OSP 6.10/10.10 = 2004226
 → OSP 10.20-20.20 = 2004227

A=installation
 B=removal



Instructions – Condenser adjustment:

- Unit must be horizontally aligned using adjustable feet and water level.
- Install condenser with slight gradation to condenser outlet. Using the stop nut on the condenser fastening 17, adjust the distance X behind the condenser between the oven floor 18 and the condenser, to the measurement noted before removing the condenser. In the front on the oven outlet 2 the condenser distance can be fixed with the bayonet clasp 19.
- If the condenser distance was not measured, then adjust to a distance between 15 and 20 mm. Fill water in the condenser until the condenser outlet flows over. Then measure the water level in front on the oven drain. The condenser must be adjusted in the back on the condenser fastening so that the water level in the oven outlet is 30+0/-1 mm.



Final check:

- Check that the demoisturising unit moves lightly up and down on the valve.
- Check that the water level in the condenser (front in oven outlet) is 30+0/-1 mm.



Cross reference:

- Installation Handbook 1. Installation
- Service Handbook 4.3 Cleaning inside the oven
- Service Handbook 6.3 Demoisturising