

# Assembly Instructions M8088-EN

## Spare part heat sensor (O/ID T24632-X)

### Purpose

Replacement of heat sensor (BT 1, BT 2)

### Precondition



**WARNING!**

**Danger for unauthorized persons!**

Conversion work may only be carried out by specialist staff who have been trained accordingly.

Therefore:

- Keep unauthorized persons away from the work area.



**NOTE!**

*Knowledge of the Instruction Manual is a precondition for carrying out conversion work on the unit.*

### Procedure



**DANGER!**

**Danger to life caused by electric current!**

Touching conductive parts causes a direct danger to life.

Therefore:

- For all work on the electrical system, for maintenance, cleaning or repair work, disconnect from the mains or disconnect all phases of the external power supply and secure them against being switched on again. Check unit is isolated from power supply.



**WARNING!**


**Danger of crushing due to rolling away or tipping**

With an uneven floor or when the castors are not locked, there is a danger that the unit tips over or rolls away causing crushing.

Therefore:

- Only install the unit on an even floor.
- Ensure that the castors are locked.

1. Proceed as follows in order to cool down the unit and empty the mould (mould evacuation):
  - Display menu page **Functions**.
  - Select the function **Cooling** and activate with the **OK** key.
  - If the function **Mould evacuation** is available, select it and activate it with the **OK** key.

→ The activated function is indicated with the  symbol.

  - Units HB-100X\_4 and HB-100/140/160Z\_4 without function **Mould evacuation**: Loosen the drain connection (G) slowly until the unit is depressurized.
2. Main switch off, remove the plug from the mains and empty the unit.
3. Remove the cover from the unit (see Instruction Manual Chapter Maintenance).
4. Loosen the screws in the front panel and hinge it down.
5. Proceed as follows in order to remove the temperature sensor (BT 1, BT 2):
  - Unplug cable of the temperature sensor on GIF-51 (A 4) slot X 33.1 or X 33.2.
  - Disassemble and remove the temperature sensor.



### WARNING!

Bolted assemblies, especially combinations of stainless steel / stainless steel or steel / stainless steel tend to adhere strongly or can seize up after a longer period of operation at high temperatures. This results in difficulties in dismantling.

Therefore:


- Use a suitable lubricant.

6. Proceed as follows in order to assemble the temperature sensor (BT 1, BT 2):
  - Mount and fasten new temperature sensor
  - Transfer the cable labelling of the old temperature sensor to the new temperature sensor.
  - Plug the temperature sensor on the corresponding slot X 33.1 or X 33.2 at GIF-51 (A 4).



### NOTICE!

*The temperature sensor that is not being changed - must be cleaned if the demounted temperature sensor is showing dirt.*

7. Close and secure the front panel.
8. Reconnect mains plug and switch on main switch.
9. Press the  key to switch on the unit and check it for leaks.
10. Proceed as follows in order to calibrate, if necessary, the temperature sensor:
  - With a constant deviation set parameter **Sensor ... offset** under **Service \ Calibrating \ Temperature**.
  - With a linear deviation, set parameter **Sensor ... ascent corr.** under **Service \ Calibrating \ Temperature**.

Service ▶ Calibrating ▶ Temperature		
Sensor main line offset		0.0 K
Sensor main line ascent corr.		0.0 %
Sensor main line filter		20 s
Sensor return line offset		0.0 K
Sensor return line ascent corr.		0.0 %
Sensor return line filter		20 s
Sensor external offset		0.0 K
Sensor external ascent corr.		0.0 %
1 Main line	40.0 °C	Normal operation
Flow rate	5.0 l/min	

Fig. 1: Calibrate temperature sensor




### ATTENTION!

#### Risk of incorrect calibration!

False calibrations can lead to faults with the unit.

Therefore:

- Check the calibrations.

11. Switch the unit off by press the  key.
12. Main switch off.
13. Close the unit correctly again.

## Parts list

Pos	Description	O/ID	O/ID		
			T24632	T24632-1	T24632-2
			Pcs	Pcs	Pcs
01	Heat sensor Pt 1000, 1,12 m	T24226	1	-	-
02	Heat sensor Pt 1000, 1,45 m	T25526	-	1	-
03	Heat sensor Pt 1000 coated, 1,45 m	T27711	-	-	1
04	Assembly instructions German	M8088-DE	1	1	1
05	Assembly instructions English	M8088-EN	1	1	1
06	Assembly instructions French	M8088-FR	1	1	1