

ACCESSORIES

FOR FLUID 100T/200T/200+T



TUB INSERT – code. 2D5314

This insert allows the oil to be removed from the calibrator or replaced with a different oil without having to tilt the calibrator to empty it.

The oil is contained in special removable inserts, making it possible to replace it with a dry insert or with another insert containing a different oil.

The operation is performed easily by extracting the insert and the oil contained within it, without transferring the oil directly from the calibrator, but simply by removing the insert so that another one can be inserted.

The operation of removing the low-temperature oil to replace it with another high-temperature oil is thus facilitated.

Having two or more of these inserts simplifies calibration procedures, preventing waste, decanting, or oil spillage.



1. Unscrew the plug.



2. Insert oil up to 3 cm from the top.



3. Screw the cap all the way down and place the insert into the calibrator.



4. Once the insert is inserted, unscrew the cap and proceed with calibrations.



5. In case an oil change needed, remove the insert manually.



6. Drain the oil, clean the insert with paper towels, and fill in with the desired oil.

CAUTION: TO AVOID BURNS PERFORM THESE OPERATIONS WITH THE CALIBRATOR AT AMBIENT TEMPERATURE



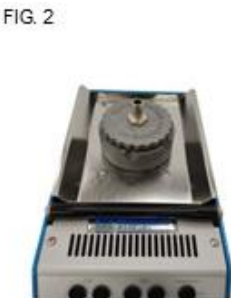
ALUMINIUM INSERT - code 2D2846

- Range 1: FLUID100T (-18/+140°C)
- Range 2: FLUID 200T/200+T (ambient/+250°C)
- Dimension of the insert: 64,5x170mm
- Number of holes/diameter:
2x4/1x4,5/1x5,5/1x2x6,5/1X8,5/1X10,5/1x12,5mm
- Cooling time from 20 up to -10°C=47’*
- Heating time from -10 up to 110°C=45’*
- Stability: ±0,04
- Radial uniformity at 0°C: ±0,03
- Radial uniformity at 80°C: ±0,06

The insert is suitable for large size probes

INSTRUCTION FOR REMOVING THE MIXER AND SET UP THE INSERT

This operation must be carried out with the calibrator at **room temperature**.
Screw on the drainage device, **turn the calibrator upside down** and empty the liquid (FIG. 2).
Remove the drainage device (FIG. 2-3).
Unscrew the top locking ring of the basin, **remove the internal spring** that locks the bottom grille, and **take out the grille** using the dedicated tool (FIG. 4).
Remove the magnetic bar (FIG. 5).
Clean the inside with a cloth to remove all the liquid.
Insert the aluminum insert and **re-assemble** the basin's locking ring (FIG. 6).



TEST in °C	FLUIDT WITH SILICON OIL	ALUMINIUM INSERT	TUB INSERT
MINIMUM TEMPERATURE	-17,5	-13	-16
FROM 20 TO -10	35'	47'	45'
FROM -14 TO 110	36'	45'	40"
FROM 20 TO 121	38'	44'	50'
FROM 110 TO 125	22'	42'	26'
FROM 121 TO 20	42'	37	40'
Time including stability			



EXTENSIONS TUBE – code. PROLUNGAFLUID

Applications

Use the extension tube to increase the depth of the liquid container in the case of very long thermometric probes or bulbs.

Technical data:

Useful diameter = 60mm Useful depth = 230 mm
Maximum operating temperature with extension = 180 °C
Minimum temperature reachable with FLUID 100 = 10°C

	FLUID100T	FLUID100+T	FLUID200T	FLUID200+T
LIQUID	SILICON 47V10	SILICON 47V20	SILICON 47V20	SILICON 47V50
Range***	-10/140°C	-10/140°C	50/180°C	50/180°C
Horizontal uniformity*	± 0.1	± 0.1	± 0.15	± 0.15
Vertical uniformity **	± 0.1	± 0.1	± 0.15	± 0.15

* Reading at 50 mm from the bottom

** on 150mm starting from the bottom

*** ambient temperature of about 20°C

****working temperature below 0°C

Operational notes

Positioning the probes as much as possible in the centre of the tank, approximately 3 cm from the bottom. Avoid placing the probes on the edge of the tank because agitation is reduced and the uniformity of temperature worsens; keep a distance of at least 1.5cm from the edge of the tank.

INSTRUCTION FOR INSTALLING THE EXTENSIO TUBE

1. Unscrew the nut firmly



2. Screw the aluminium tube making sure the OR are well positioned



3. Insert the insulating tube



4. Screw the ring back



Make sure that the ORING are correctly positioned to ensure the seal of the extension tube

Add the liquid up to about 5cm from the edge of the tube, top up it if necessary, check that no liquid comes out under the tube; if so screw the extension tube again.

At the end of the calibration lower the temperature of the liquid and pour it into its container only when it is at room temperature.

How to empty the FLUID

To empty the container make sure the temperature is close to the environment.
Screw the supplied cap onto the ring nut and pour the liquid.



UNA QUESTIONE DI CALIBRAZIONE

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