

ACCESSORIES

FOR FLUID 100T/200T/200+T



A) TUBE INSERT – code 2D5314

- This tub insert allows you to replace the oil in the calibrator without having to tip it over to empty it.
- The oil is contained within the removable tub, making it possible to replace it with an aluminum insert or another tub insert containing a different type of oil.
- This operation makes it easier to use oils at different temperatures.
- Equipping the unit with two or more of these tub inserts streamlines calibration procedures while preventing waste, oil transfers, or spills.



B) ALUMINIUM INSERT - code 2D2846

- The aluminum insert allows you to convert the liquid bath calibrator into a dry block calibrator.
- Dimensions of the insert: 64.5x170mm
- Number of the holes/diameter standard drilling:
2x4/1x4.5/1x5.5/1x2x6.5/1x8.5/1x10.5/1x12.5mm

Technical data:

- Stability: $\pm 0,04$
- Radial Uniformity at 0°C: $\pm 0,03$
- Radial Uniformity at 80°C: $\pm 0,06$
- The insert is suitable for large-diameter probes.



COMPARATIVE TABLE OF THREE STANDARD CONFIGURATIONS FOR THE FLUID100 MODEL			
TEST in °C from T. Amb	FLUIDT WITH SILICON OIL	ALUMINIUM INSERT	TUB INSERT
MINIMUM TEMPERATURE	-17,5	-13	-16
cooling time FROM 20 TO -10	35'	47'	45'
cooling time FROM 121 TO 20	42'	37	40"
heating time FROM 20 TO 121	38'	44'	50'
Time including stability			

C) EXTENSION TUBE – code PROLUNGAFLUID

Applications

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

ACCESSORIES



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.

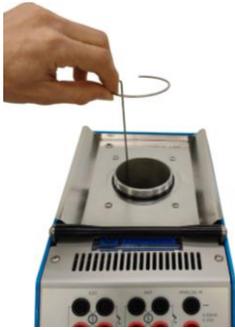
Remove the drainage device.

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.

Remove the magnetic bar.

Clean the inside with a cloth to remove all the liquid.

Insert the aluminum insert and **re-assemble** the basin's locking ring.



How to install the Tub Insert



Unscrew the plug



Insert oil up to 3 cm from the top



Screw on the locknut and place the insert



Once the insert is inserted, proceed with calibrations



In case an oil change needed, remove the insert manually



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

NOTES: - To avoid burns, perform these operations with the calibrator at ambient temperature.

- Once the insert has been removed, check that the bottom disk is not attached to it; if it is, detach the disk and reposition it at the bottom of the calibrator tank.



How to install Aluminium Insert:

Insert the Aluminium insert and reassemble the tank locking ring.



How to install Extension Tube:

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.



Unscrew the nut firmly



Screw the aluminium tube making sure



Insert the insulating tube



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 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.



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