

Determination of Water and Sediment in Fuel Oils or Crude Oils

ASTM D1796 - API 2548 - DIN 51793 - IP 75 - ASTM D4007 - IP 359 - ASTM D91 - ASTM D96 - ASTM D2273



- ⊕ **Stainless steel bath**
- ⊕ **Cooling coil**
- ⊕ **Bath drain**
- ⊕ **Easy to operate**
- ⊕ **Position for nine centrifuge tubes**

Item	Unit	TC16
P/N 230V/50-60Hz		00T0671
P/N 115V/60Hz		00T0861
Power	[kW]	1.5
Range	°C °F	Ambient .. 250 Ambient .. 482
Reading		°C or °F
Setting	[°]	0.1
Stability ±	[°C]	0.02
Heating	[W]	1400
Bath volume	[L]	16
Bath opening	[mm]	9 * ø51 mm
Bath depth	[mm]	220
Length	[mm]	455
Width	[mm]	295
Height	[mm]	440
Materials	Used inside bath: stainless steel 304, brass	
CE	Conforms to CE regulation	

General

The methods cover the determination for water and sediment in fuel oils (ASTM D1796) or crude oils (ASTM D4007) by the centrifuge method. The TC16 is according to the requirements of above mentioned ASTM methods where a water bath is prescribed to preheat the 8" cone-shaped centrifuge tubes. The centrifuge is offered as an option and can be found on the specification sheet for ASTM D91. The bath has place for nine cone-shaped centrifuge tubes. The temperature range is from ambient +5°C to 250°C. With the levelling platform (P/N 13T8010) you can immerse the 8" cone-shaped centrifuge tubes in the vertical position to the 100-mL mark as indicated in the mentioned ASTM methods.

Accuracy

The insulation of the bath and electronic design result in a very stable working temperature of $\pm 0.02^\circ\text{C}$. The set point can be set in steps of 0.1°C in the range of 0°C up to 250°C ($-148..482^\circ\text{F}$). The accuracy on the display is displayed in 0.1°C . However the controller has an internal accuracy of 0.01°C .

Temperature readout

Standard available in $^\circ\text{C}$, on request in $^\circ\text{F}$.

Pump

When not used to preheat the cone-shaped centrifuge tubes, the pump can be used to circulate the bath content to an external application.





Safety



The bath conforms to CE regulation. It is further equipped with a mechanical resettable safety thermostat.

Necessary accessories

Please see tables next page.

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Necessary P/N		ASTM				
		D91	D96	D1796	D2273	D4007
00T0671 TC16 230V/50-60Hz		1	1	1	1	1
00T0861 TC16 115V/60Hz						
13T8010 (levelling platform + holder + cover with lids)		1	1	1	1	1
00T0050 TLC10-3 230V/50Hz		1			1	
00T0051 TLC10-3 230V/60Hz						
00T0052 TLC10-3 115V/60Hz						
12T1075 Tubing with connectors and clamps to be used between a TLC and a TC		1			1	

Optional accessories		ASTM				
		D91	D96	D1796	D2273	D4007
09T0015 8" cone-shaped centrifuge tube		•	•	•		•
31T0226 8" 100 ml cone-shaped trace sediment centrifuge tube					•	