

Total Sediment in Residual Fuels

ASTM D4870 - ISO 10307 - IP 375



Item	Unit	
P/N Sediment tester		31T0050
Test stations		2
Operative pressure	[bar]	max 2.5
Steam required generation	[kg/h]	1.1
Length	[mm]	500
Width	[mm]	300
Height	[mm]	300
Weight	[kg]	3.5
CE	Pump and steam generator conform to CE regulation	

- ⊕ **Two test stations**
- ⊕ **Waste is collected outside unit**
- ⊕ **Stainless steel filter holders**
- ⊕ **Easy to use**
- ⊕ **Benchtop model**

General

Tamson supplies a two-position sediment tester with accessories for the total sediment test in residual fuels conform ASTM D4870, IP 375, and ISO 10307. The test determines the insoluble material content of distillate and residual fuel oils. A weighed quantity (10 g) of the oil sample is filtered through the sediment tester at 100°C. After solvent washing and drying the total sediment on the filter medium is weighed. The test is to be carried out in duplicate.

It is a benchtop model which consists of two filtration cells, a vacuum circuit with gauge and an integrated cooling/heating circuit.

An advantage about our system is that the waste is collected outside the unit and not below the system. Alternatively, the waste can be collected in a lab's own waste system, in case they have a lot of samples.

Each cup has to be equipped with a sintered brass disc (P/N 31T0063) to support the microfiber filter media.

Other necessary accessories are available. A vacuum pump, steam generator, filter media and waste container are also needed. The total sediment tester also needs the use of tap water, alternatively a TLC10-3 external chiller can be used for environmental friendly purposes, to save tap water. Please see the table on the next page for more details.

Safety

The sediment tester is a closed system where the waste is collected outside the unit. The pump and steam generator conform to CE regulations.

Ageing bath

Tamson is also manufacturing an ageing bath for thermal ageing of the sample, conform to the procedure in the appendix of the test method. Either a 6 position or 15 position ageing bath is available. Please see the separate specification sheet.



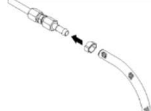
Four or six position tester

A four or six position sediment tester is available on request.

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Accessories

Necessary Accessories			
P/N	Picture	Suggested Quantity	Description
31T0055		1	Vacuum pump with PTFE coated diaphragm, 230V/50Hz. Ultimate vacuum: 210 mbar; Max. flow rate: 34 L/min
31T0056			Vacuum pump with PTFE coated diaphragm, 110V/60Hz. Ultimate vacuum: 210 mbar; Max. flow rate: 34 L/min
31T0060		1	Steam generator for total sediment tester, 230V/50-60Hz
31T0061			Steam generator for total sediment tester, 115V/60 Hz
31T0062		1	Whatman filter media, GF/A, 47 mm pack of 100
31T0063		2	Sintered bronze filter support with OR gasket
31T0064		1	Waste container complete, 2 L (Not needed if sediment tester is connected to waste collection of the lab)

Optional Accessories			
P/N	Picture	Suggested Quantity	Description
Please see spec sheet "D4870-A"		1	Ageing bath for thermal ageing of the sample, conform to procedure A in the appendix of the test method. Either a 6 position or 15 position ageing bath is available. Please see the separate specification sheet "D4870-A"
00T0050		1	Cooling circulator TLC10-3 - 230V/50Hz
00T0051			Cooling circulator TLC10-3 - 230V/60Hz
00T0052			Cooling circulator TLC10-3 - 115V/60Hz
12T1075		1	Tubing with connectors and clamps to be used between a TLC and the sediment tester

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