

Water Separability Of Petroleum Oils and Synthetic Fluids Instruction

ATGA-WS-I

🔥 **Standard Method:** ASTM D1401

🔥 **Technical Specifications :**

- The adjustable speed stirrer operates at 1500 ± 15 rpm with an AC motor and controller
- The stirrer motor is securely fixed with a vertical range and on a vertical axis of motion without the use of belts or chains
- Column is equipped with upper and lower constrain, easy to operate positioning. Agitator blade moves up and down.
- The ability to rotate the sample into test tubes
- Ability to install 100 mL tubes are available in Bath
- Mixing time is designed and made as per time relay control to automatic buzzer alarm. Test duration determined with digital Programmable timer (1 second to 999 hours).
- The standard test temperature of heating bath : 54°C & 82°C , the precision of controlling Temperature : $\pm 1^{\circ}\text{C}$ providing by 750w heater, heating control, thermocouple with temperature compensation, digital display of true temperature and temperature sensor PT100
- Dimensions: $100*70*40$ cm
- Weight: 30kg
- Voltage: $220\text{V} \pm 10\%$, frequency: $50\text{Hz} \pm 1\text{Hz}$
- Working temperature: $5 \sim 35^{\circ}\text{C}$, humidity: 35%-95%



Crude Oil

Fuel Oil

Lubricating
Oil

Additive

Used Oil



🔥 Accessories:

- Stirring Paddle, made of chromium-plated or stainless steel and conforming to the ASTM D 1141 dimensions.
- Cylinder, 100-mL, graduated from 5 to 100 mL in 1.0-mL divisions, made of glass, heat-resistant glass, or a chemical equivalent.
- Heating Bath, sufficiently large and deep to permit the immersion of at least two test cylinders in the bath liquid up to their 85-mL graduations. The bath shall be capable of being maintained at a temperature of 54 or 82 ±1°C.

🔥 Consumables:

- Distilled water: sodium chloride (NaCl) solution or synthetic sea water, as described in Practice D 1141 or Test Method D 665, can be used in place of distilled water when testing certain oils or fuels used in marine applications.
- Cleaning Solvents: Light-Hydrocarbon, for petroleum oils. Use other appropriate solvents for dissolving synthetic fluids.
- Acetone

- EASY INSTALLATION
- SIMPLE WORKING

- AUTOMATIC BUZZER ALARM

Spare part list:

Item	Part Number	Description
1	ATGA-WS-110	Stirrer Motor, 3Ph, 380/220V, 50HZ, 1500 r.p.m
2	ATGA-WS-111	Speed Controller
3	ATGA-WS-112	Universal Motor, 1Ph, 220V, 50HZ
4	ATGA-WS-113	Glass bath
5	ATGA-WS-114	Heater 750 W
6	ATGA-WS-115	Temperature control
7	ATGA-WS-116	Temperature sensor pt100
8	ATGA-WS-117	Digital timer mode: LE4S / AUTONICS
9	ATGA-WS-118	automatic buzzer alarm
10	ATGA-WS-119	On/Off switch
11	ATGA-WS-120	Fuse

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