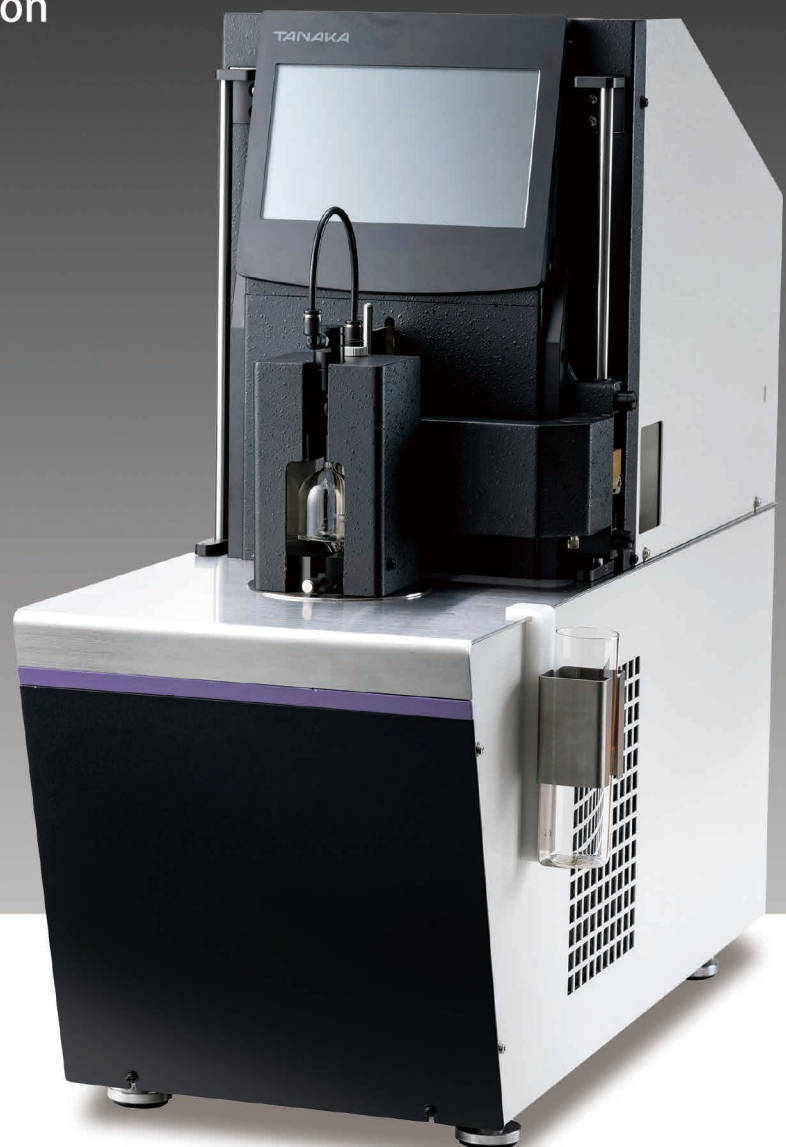TANAKA
Petroleum Testing & *Beyond*

NEW

Automated Cold Filter Plugging Point Tester

afp-300

Simple Reliable Robust

- Simple and Easy Operation
- Custom Function
- Pre-wash Function
- Eco-friendly

Custom Function

Both stepwise cooling and linear cooling are available.

Simple and Easy Operation

Enhanced simplicity by placing the temperature sensor, detectors, and cables inside the arm. The arm unit also provides added protection to glass parts.

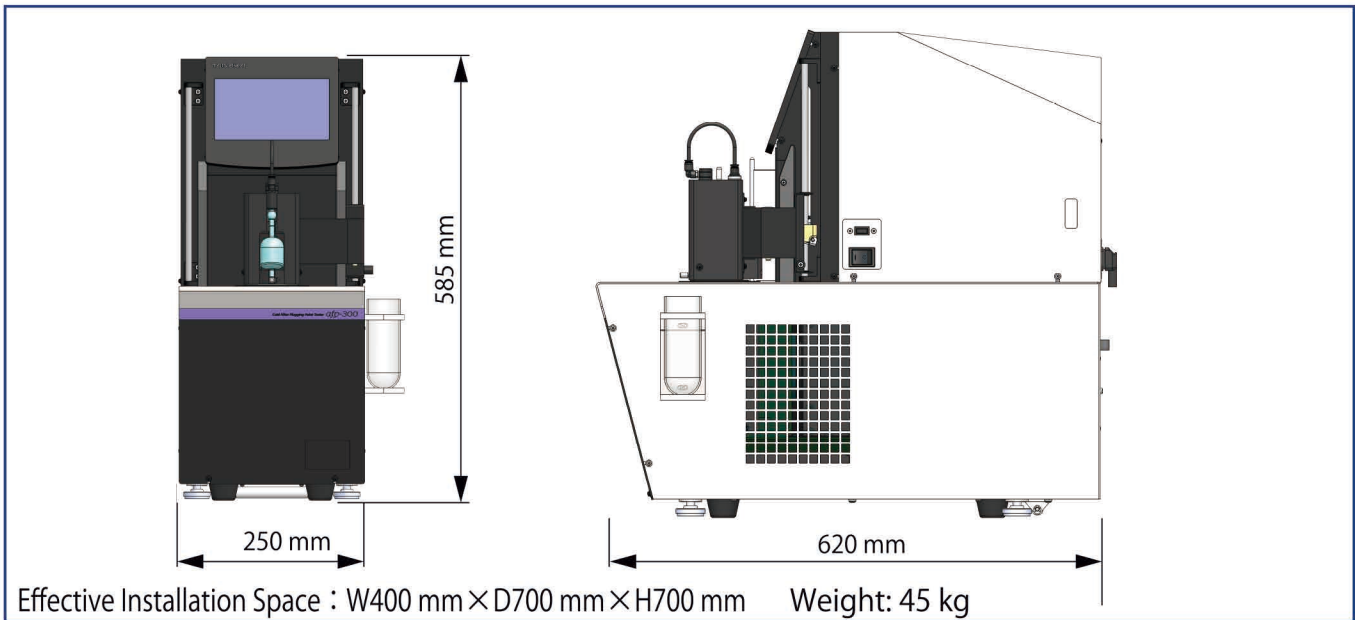Pipette can be removed with one-touch.

Pre-wash Function

Pipette and filter unit can be easily washed by simply swinging the arm.

Eco-Friendly

Equipped with CFC-free cooler achieving low noise, low vibration, and energy-saving.
Sample temperature of -95 ℃ can be reached without external chiller.

Dimensions

585 mm

250 mm

620 mm

Effective Installation Space：W400 mm×D700 mm×H700 mm   Weight: 45 kg

Specifications

CE UKCA

Product	Automated Cold Filter Plugging Point Tester *afp-300*
Conforming Methods	ASTM D6371, JIS K 2288, EN 116, EN 16329, IP 309
Control Specification	By microprocessor
Display Device	7-inch color capacitive touch screen
Measurement Mode	① Step Cooling Mode: -34 ℃, -51 ℃, -67 ℃ by default. * ② Linear Cooling Mode: Customizable, 0.5 ℃/min to 10 ℃/min *It is possible to start test from -51 ℃ or -67 ℃.
Measuring Range	-95 ℃～ +51 ℃ (at room temperature of 25 ˚C)
Bath Temperature Range	-105 ℃ ～ +55 ℃ (at room temperature of 25 ˚C)
Temperature Sensor	Platinum resistance thermometer (100 Ω/0 ˚C, PT100)
Cooling	CFC-free Sterling Cooler
Safety Function	・Self diagnostic ・Interlock function when detection part is lifted ・Built-in oversuction separator
Data Save	1,000 test results can be stored in the unit, 50 test results are displayed on the screen.
Test Mode Save	10 test modes can be stored
External Output	USB2.0：2ch Ethernet：1ch
Operating Environment	Temperature: 10 ˚C to 35 ˚C (fluctuation < 10 ˚C within the day), Humidity: 80 %RH or less (no condensation)
Dimension (W × D × H)	W250 mm×D620 mm×H585 mm
Weight	45 kg
Power Supply	AC100 ～ 240 V 600 VA 50/60 HZ
Pre-wash Function	Automatic solvent suction and release cycles. 1 to 999 cycles.

Note: Specifications and appearance are subject to change for product improvement without prior notice.

Standard Accessories

Code No.	Part Name	Qty	Remarks
1000066	Test Jar	1	
1001215	Filter Unit Assembly	1	
1000121	Filter	1	
1000065	Pipette	1	
	Cleaning Unit	1	with Cap
	Tube Fitting Plug	1	
1007144	Cleaning Vessel	1	
1007141	Spacers	1	
1007176	Position Adjustment Jig	1	for temperature sensor
	AC Power Cord	1	2.0 m for 100 V to 120 V
	AC Power Cord	1	2.5 m for 220 V to 240 V
	USB Stick	1	Instruction & Maintenance Manuals

Optional Accessories

Code No.	Part Name	Remarks
1005593	Printer NEX-C200U01 100 V to 120 V	Print out test data and instrument settings
1005594	Printer NEX-C200U05 220 V to 240 V	
1005861	Printing Roll Paper	W58×φ50
1007140	Bath Cover	

Suggested Spares for 2 years

Code No.	Part Name	Qty	Remarks
1007113	Temperature Sensor	1	
1000065	Pipette	3	
1007150	Vacuum Adapter Set	1	
1001215	Filter Unit Assembly	1	
1001222	Filter	30	
1006958	O-Ring KS-4	10	
1000409	O-Ring S-14	10	
1000066	Test Jar	3	
1007141	Spacers	1	
1007144	Cleaning Vessel	1	

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