FREEZING POINT

ASTM D2386 IP 16 ISO 3013 DIN 51421 (obs) FREEZING POINT OF AVIATION FUELS

This test method covers the determination of the temperature below which solid hydrocarbon crystals may form in aviation turbine fuels and aviation gasoline.

2370 MANUAL FREEZING POINT

Consisting of: tripod stand with clamp the jacketed sample tube into the Dewar flask at the level required from method; Dewar flask $\emptyset75x280$ mm. int. for cooling medium, with stainless steel support; jacketed sample tube Dewar $\emptyset20x234$ mm. int.; silicone stopper with hole for thermometer and supporting the brass moisture-proof collar (with silica gel and glass wool) through which the manual brass stirrer passes.

2370/SEM SEMI-AUTOMATIC FREEZING POINT

Base painted with anti-acid epoxidic products supporting Dewar flask Ø75x280 mm. int. for cooling medium, with stainless steel support; jacketed sample tube Dewar Ø20x234 mm. int.; cork stopper with two holes one for thermometer and one for supporting the brass moisture-proof collar (with silica gel and glass wool) through which the manual brass stirrer passes joined to a geared motor for automatic stirrer at 70 rpm.

The base accommodate the stirrer switch.

Technical specifications:

- Power supply: 230V $\pm 10\%$ 50 Hz

- Dimensions: 26x35x115 cm

- Weight: 11 kg

2370/SEM/2 SEMI-AUTOMATIC FREEZING POINT (2 POSITIONS)

2 places stand-alone with base painted with anti-acid epoxidic products supporting two Dewar flask Ø75x280 mm. int. for cooling medium, with stainless steel support, each with; jacketed sample tube Dewar Ø20x234 mm. int.; cork stopper with two holes one for thermometer and one for supporting the brass moisture-proof collar (with silica gel and glass wool) through which the manual brass stirrer passes joined to a geared motor for automatic stirrer at 70 rpm.

The base accommodate two stirrer switch.

Technical specifications:

- Power supply: 230V ±10% 50 Hz - Dimensions: 60x40x115 cm

- Weight: 38 kg



ACCESSORIES ON REQUEST

T-AS114C THERMOMETER ASTM 114C IP 14C

CONSUMABLES x 2 YEARS

15-2371 JACKETED SAMPLE TUBE x2

Internal Ø20x234 mm, similar Dewar

15-2372 WIRE STIRRER x4

Made of brass, with three-loop spiral at the

bottom

SPARE PARTS

15-2374 STOPPER, PACK OF 2 PCS

Made of silicone with two holes: one for

thermometer and one for stirrer

15-2375 MOISTURE-PROOF

Collar through which the stirrer passes Made of brass, filled with silica gel and glass

wool

15-2373 DEWAR Ø75x280 mm

15-2384 CLAMP

15-2070/MORDOUBLE CLAMP

15-0004 BIPOLAR GREEN SWITCH

12-0014/M MOTOR

15-AZLAM3 CARD MOTOR, 3A



FREEZING POINT

ASTM D1177 FREEZING POINT OF AQUEOUS ENGINE COOLANTS

This test method covers the determination of the freezing point of an aqueous engine coolant solution in the laboratory.

Base painted with anti-acid epoxidic products supporting Dewar flask Ø100x290mm. int. for cooling medium, fully silvered with metal protection; 200 mL freezing tube Dewar; cork with three holes one for PT100A probe one for stirrer and one for instroducing wire for seeding; five coil stirrer made of stainless steel wire joined to a geared motor for automatic stirrer at 70 rpm.

The base accommodate the main switch, stirrer switch and digital thermometer plug in to PT100A probe.

2380 FREEZING POINT

Technical specifications:

- Power supply: 230V ±10% 50Hz - Dimensions: 26x35x85 cm

- Weight: 8 kg

2380/2 FREEZING POINT (2 POSITIONS)

Technical specifications:

- Power supply: 230V $\pm 10\%$ 50Hz



CONSUMABLES x 2 YEARS		
15-2381	FREEZING TUBE x2	
	200 ml., Dewar	
15-2382	WIRE STIRRER x4	
	Made of stainless steel, with five-loop spiral at	
	the bottom	
15-2383	STOPPER, pack of 2 pcs	
	Made of cork, with 3 holes	

	SPARE PARTS		
ı	15-2385	DEWAR	
ı	14-0002	PROBE PT100A	
ı	16-0005	DIGITAL THERMOMETER	
ı	15-0004	BIPOLAR GREEN SWITCH	
ı	15-0005	BIPOLAR YELLOW SWITCH	
ı	15-2384	CLAMP	
ı	12-0014/M	MOTOR	
ı	15-AZLAM3	CARD MOTOR, 3A	
- 1			

Resistant structure painted with anti-acid epoxidic products, fitted with 4 wheels with brake. Glossy-black PVC cover with small stand-by covers aluminium block with 1 hole for accomodate the 200ml freezing tube, equipped with a hole where the thermometer is placed, heating element controlled by a indipendent switch for a quick return to a ambient temperature. Temperature is controlled by digital thermoregulator fitted with a probe PT100 A. Automatic defrosting device under the cover, earth leakage circuit breaker, double stage compressor CFC free refrigerant gases are used.

Consisting of: 200ml freezing tuber; cork with three holes one for PT100A probe one for stirrer and one for instroducing wire for seeding; five coil stirrer made of stainless steel wire joined to a geared motor for automatic stirrer at 70 rpm.

The temperature of sample is obtain by a PT100A probe plug in to a digital thermometer.

Technical specifications:

- Temperature: from ambient to -70°C (-94°F)

- Power supply: 230V ±10% 50Hz

- Power: 1300W

- Dimensions: 60x70x160 cm

- Weight: 118 kg

2380/SEM SEMI-AUTOMATIC FREEZING POINT

CONSUMABLES x 2 YEARS		
15-2381	FREEZING TUBE x2	
	200 ml., Dewar	
15-2382	WIRE STIRRER x4	
	Made of stainless steel, with five-loop spiral at	
	the bottom	
15-2383	STOPPER, pack of 2 pcs	
	Made of cork, with 3 holes	

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SPARE PAR	15			
11-0490	HEATER			
14-0002	PROBE PT100A			
14-0006	PROBE PT100A (for refrigerator bench)			
16-0005	DIGITAL THERMOMETER			
11-0018	DEFROSTING HEATER 15W			
15-0004	BIPOLAR GREEN SWITCH			
15-0005	BIPOLAR YELLOW SWITCH			
15-2384	CLAMP			
12-0014/M	MOTOR			
15-AZLAM3	CARD MOTOR, 3A			
15-0019	EARTH LEAKAGE CIRCUIT BREAKER			
15-0021	TIMER			