

Cold Filter Plugging Point of Distillate Fuels

test method

Determines the low temperature flow characteristics of automotive diesel fuels and gas oils, including samples with flow improving additives, by measuring the temperature at which the sample ceases to flow through a wire mesh filter under standard test conditions.

cold filter plugging point test equipment

- Conforms to ASTM D6371, IP 309 and DIN 51428 specifications
- Choice of mechanically refrigerated or dry ice cooled bath

Consists of Cold Filter Plugging Point Apparatus, Vacuum System and Cooling Bath.

Cold Filter Plugging Point Apparatus – Includes borosilicate glass test jar with graduation, brass jacket with plastic support ring, plastic stopper, plastic insulating ring and spacer, pipette and brass filter unit with stainless steel fine wire mesh screen.

Vacuum System – Connects to Cold Filter Plugging Point Apparatus to draw sample through filter screen. Consists of U-tube Manometer (without mercury), three-way stopcock, air vent tube, cork stopper with elbows, and large glass bottle. Vacuum pump is not included.

Cooling Baths – Choice of mechanically refrigerated or dry-ice cooled baths. Mechanically refrigerated model utilizes a cascade hermetic cooling system to attain temperatures as low as -90°F (-68°C). Cold Filter Plugging Point Apparatus inserts in composition top plate of bath. Insulated stainless steel tank and polished stainless steel cabinet.

Dry-ice model includes insulated copper interior and steel exterior with corrosion resistant polyurethane enamel finish. Composition top plate suspends Cold Filter Plugging Point Apparatus in freezing mixture at the required depth. Handles on exterior permit easy emptying of freezing mixture. Supplied with thermometer holder.

ordering information

catalog no.	description	
Cold Filter Plugging Point Apparatus		
K45900	Cold Filter Plugging Point Apparatus	1
Vacuum System		
K45920	Vacuum System	1
Cooling Bath		
K45950	Mechanically Refrigerated Cold Filter Plugging Point Bath, 115V 60Hz	1
K45995	Mechanically Refrigerated Cold Filter Plugging Point Bath, 220-240V 50Hz	
K45910	Cooling Bath (Dry Ice Model)	

accessories

250-000-05C	ASTM 5C Thermometer Range: -38 to +50°C	1
250-000-06C	ASTM 6C Thermometer Range: -80 to +20°C	



K45950 Cold Filter Plugging Point Bath

specifications

Conforms to the specifications of: ASTM D6371; IP 309; DIN 51428

Electrical Requirements

Mechanically Refrigerated Baths
115V 60Hz, Single Phase, 6A
220-240V 50Hz, Single Phase, 3A

Dimensions*in.(cm)

Refrigerated Model (lxwxh):
35x26x31 (89x66x78.75)
Net Weight: 259 lbs (117.75kg)
Dry-Ice Model (dia.xh): 12x12 (30x30)
*Cooling Bath

Shipping Information

Shipping Weight:
Refrigerated Model: 373 lbs (169.5kg)
Dry-Ice Model: 19 lbs (8.6kg)
Dimensions:
Refrigerated Model: 233/4 Cu. ft.
Dry-Ice Model: 3 Cu. ft.



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