

# TEST BATHS for MANUAL TESTING of COLD FILTER PLUGGING POINT (CFPP)

- Conform to ASTM D6371, IP-309, D97, D2500, and D5853
- Temperature Stability of  $\pm 0.5^{\circ}\text{C}$
- Dry Bath not Requiring Liquid Bath Medium
- Lowest Temperature of  $-35^{\circ}\text{C}$  or  $-70^{\circ}\text{C}$
- Quickly Achieves Test Bath Temperature
- Digital Control to  $0.1^{\circ}\text{C}$  Resolution

## Also for Methods:

ASTM	D6371, D97, D2500, D5853, D6422
ISO	309
IP	3015, 3016
FTM	791-201
DIN	51 597
NF	T60-105

**Model CF-2L** has two independently controlled test positions fully conforming to the dimensional specifications of ASTM D6371, and IP-309. Each position accepts one CFPP test assembly (or one pour/cloud point test tube). Each bath temperature is controlled by an indicating digital PID controller with  $0.1^{\circ}\text{C}$  resolution. Bath stability is better than  $\pm 0.5^{\circ}\text{C}$  specified by the test method. The test cup is cooled by direct refrigeration thus eliminating the need for a liquid bath medium. Model CF-2L also meets the specifications of ASTM D97, D2500, D5853, and D6422 test methods.

The bath achieves test temperature quickly (2 minutes) from ambient. The bath may be also rapidly changed to the next lowest temperature of  $-51^{\circ}\text{C}$  (and  $-69^{\circ}\text{C}$ ) if so required. Each bath temperature may be set independently of the other.

**Model CF-2H** is identical to Model CF-2L with the exception that the lowest bath temperature is  $-35^{\circ}\text{C}$ . This temperature is sufficient to meet the test requirements for the vast majority of commercial fuels.

**Model CF-1L** is identical to Model CF-2L with the exception of only having one test position.



▲ **Model CF-2L**

**Model CF-1H** is identical to Model CF-2H with the exception that of only having one test position.

**Model CF-633** is a floor model with 3 liquid baths factory preset at  $-34^{\circ}$ ,  $-51^{\circ}$ ,  $-69^{\circ}\text{C}$ . Each bath is mechanically agitated for improved bath temperature uniformity and control. Each bath has 4 test sample capacity conforming to ASTM D97, D2500, D5853, D6371, D6422, and IP309.

## ▶ AVAILABLE MODELS

Model No.	Test Positions	Lowest Operating Temperature	Dimensions inches (cm)	Ship. Weight lbs/cu.ft
<b>CF-2L</b>	2	$-69^{\circ}\text{C}$	28 x 27 x 15 (70 x 70 x 38)	220/15
<b>CF-2H</b>	2	$-34^{\circ}\text{C}$	18 x 22 x 15 (45 x 55 x 38)	180/12
<b>CF-1L</b>	1	$-69^{\circ}\text{C}$	28 x 27 x 15 (70 x 70 x 38)	220/15
<b>CF-1H</b>	1	$-34^{\circ}\text{C}$	18 x 22 x 15 (45 x 55 x 38)	180/12
<b>CF-4H</b>	4	$-34^{\circ}\text{C}$	48 x 22 x 15 (120 x 55 x 38)	225/20
<b>CF-633</b>	4 per bath	Three Baths Preset at $-34^{\circ}$ , $-51^{\circ}$ , $-69^{\circ}\text{C}$	29 x 31 x 43 (74 x 78 x 110)	400/33