

TEST BATHS for MANUAL TESTING of CLOUD and POUR POINT of PETROLEUM PRODUCTS

- Conform to ASTM D97 and ASTM D2500
- Wide Range of Available Models
- Digital Indicating PID Temperature Controllers for Each Bath

A wide range of models is available (see facing page) with working temperature ranges from +48° to -69°C. Each multi-bath unit conforms to ASTM D97 Pour Point and ASTM D2500 Cloud Point test methods. Each stainless steel liquid bath has its own digital indicating PID temperature controller providing temperature stability of $\pm 1.5^\circ\text{C}$. Each bath comes equipped with 4 metal test jackets, 4 cork rings, 4 O-rings, and 4 cork stoppers for the thermometer (test tubes are available separately). All units are mechanically refrigerated using ozone friendly non-CFC and non-HCFC refrigerants.

Model 334 is the most popular and versatile 3 bath bench model is the "work horse" of the industry. The baths are factory preset at 0°, -18°, and -34°C. Each bath has 4 test sample capacity. The approximate overall dimensions are 25 x 19 x 26 inches high (62 x 48 x 65 cm.)

Model 644 is also a popular caster mounted, floor model with 4 baths factory preset at 0°, -18°, -34°, and -51°C. Each bath is mechanically agitated for improved bath temperature uniformity and control. Each bath has 4 test sample capacity. Due to bath agitation and temperature stability, Model 644 is suitable for CFPP testing as well. The only additional requirement is the exchange of the metal test jackets (CFPP conversion kit is available). Approximate overall dimensions are 37 x 31 x 43 inches high (94 x 78 x 110 cm.)

Model 654 is a caster mounted floor model with 5 baths factory preset at 0°, -18°, -34°, -51°, -69°C. Each bath is mechanically agitated.

Model 549 is a single bath apparatus adjustable from 0° to -69°C. It is an economical choice for those laboratories with samples with extra low temperature pour point samples.

Model DR-2L with two test positions is a portable, unique cloud and pour point bath, not using any liquid as the cooling medium. It has the ability to very rapidly (less than 2 minutes) change the metal cup temperature to the next lower temperature. This allows one bath to perform the pour and cloud point tests without the need to move the test jar to the next lowest bath temperature. Each cup has its own digital temperature controller and their temperature may be set independently. Lowest bath temperature is -69°C. Model DR-2L is also suitable for CFPP testing.

Also for Methods:

ASTM	D97, D2500, D5853, D6422
IP	15, 219
ISO	3015, 3016
FTM	791-201, 3470
DIN	51 597
NF	T60-105



▲ **Model 644**

Model DR-1H is an economical, compact single test position bath with lowest bath temperature of -34°C. Model DR-1H is designed for cloud & pour point as well as CFPP testing. It is an ideal bath for mobile fuel testing laboratories. Overall dimensions are 22 x 18 x 16 inches high (55 x 45 x 40 cm).

Model DR-1XL is a single test position adjustable from 0° to -120°C. It is useful for those laboratories working with synthetic fluids with very low pour points. Pour point down to -90°C may be determined with this model. The bath is directly refrigerated, using no bath fluid as the cooling medium.

Model 620 is a 20 test sample capacity in each of the 3 baths preset at 0°, -18°, -34°C. It is intended for those laboratories with a very high volume of test samples.

Additional models are listed on the facing page.