

Dist D-1160 CC

Vacuum Distillation System

ASTM D1160

Fully automatic processor controlled ASTM D1160 Distillation System for the determination of boiling ranges of crude oil products under vacuum. The system can be operated in strict accordance to the ASTM D1160 procedure with 1 single receiver or alternatively, by using an option to include automatic fraction collector with 5 receivers.

Features

- Parameter input, display as well as calculation of distillation and final data and print out of the distillation curve via PC
- Easy operation due to userfriendly software, operated under WINDOWS XP
- Sophisticated safety system
- Automatic heating and distillation rate as well as detection of initial boiling point (ibp)
- Individual distillation reports and curves can be recalled any time
- Precise distillation data due to automatic calibration
- Anti foaming by foam breaker
- Precise vacuum control
- Automatic washing run
- Calculation of charge according to receiver temperature and charge density
- Easy installation effort as the system is delivered ready for operation
- Manual override of automatic operation
- Automatic controlled termination of distillation process and start of cooling
- Optional fraction collector with 5 receivers

ASTM D1160 Distillation System Criteria For Break-Off Are

- Pre-selected final AET (atmospheric equivalent temperature) is reached
- Maximum bath temperature is reached
- Maximum flask temperature is reached
- Pre-selected distillate volume is reached
- Flask insert cracks
- Distillate pressure drops
- Product lack in the flask



Specifications

Available flask sizes	500 mL
Flask charge	200 mL
Operating temperature	Up to 400° C (750° F)
Final cut temperature	Up to 650° C AET (1202° F)
Max ambient temperature	25° C
Power	208 – 250 V, 50 Hz (60 Hz upon request)
Power consumption	3500 W (without options)
Dimensions (w x h x d)	Approx 0.65 x 0.64 x 0.96 m

