

**96700-0 HERSCHEL EMULSIFIER X3****ASTM D1401**

- 3 position semi-automatic instrument
- Integral backlighting for improved precision
- 54/82°C ±1°C
- 3 stirrers - independently controlled
- Programmable test and measurement time

The Herschel Emulsifier is a three station Herschel Emulsifier for testing the water separability of petroleum oils and synthetic fluids using the ASTM D1401 test method. The bath can be operated at either 54°C or 82°C. The three test stations operate independently of each other in a common bath. The stirrer for each test station rotates at a fixed speed of 1500rpm, and is lowered or raised automatically. Audible prompts advise the user when to take measurements and also signify the end of the test. The interval between audible prompts and the total duration of the test are programmable.

SUPPLIED WITH: 3 glass cylinders, mains lead and instruction manual.

SPECIFICATIONS	
<b>Bath Temperature Range:</b>	54°C and 82°C (switchable)
<b>Bath Capacity:</b>	4 litres (approx)
<b>Temperature Stability:</b>	±1°C @ 54°C, ±1°C @ 82°C
<b>Number of Test Stations:</b>	3
<b>Voltage:</b>	220/240Vac, 50Hz
<b>Power:</b>	600W
<b>Size (HxWxD):</b>	82 x 44 x 33cm (approx)
<b>Weight:</b>	30kg (approx)

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**96600-3 HERSCHEL EMULSIFIER****ASTM D1401; IP 412; ISO 6614; NF T60-125**

- 5 test and 2 pre-heat positions
- Consistent emulsification conditions
- 25 to 150°C temperature range
- 50 to 1800 rev/min variable speed stirrer
- RS232 interface

A heated bath with stirrer to allow water and a test sample to be emulsified consistently, prior to measuring the time taken for separation to occur.

The unit accommodates up to seven test vessels (five working and two sample pre-heat positions) in an oil bath. The bath is heated to and maintained at any set temperature between 25 and 150°C. The unit is a combined heater and re-circulating pump, with digital temperature control and display, RS232 interface for connection to a personal computer, and over-temperature and low fluid level warning devices.

The stirrer head can be rotated over each test vessel in turn, and is locked accurately in position by a detent pin. The stirrer head houses a motor and variable speed controller, with a range of 50 to 1800 rev/min, and a digital tachometer. The stirrer control unit incorporates a digital timer and display, and provides power to the stirrer head and the heater unit.

SUPPLIED WITH: mains lead and instruction manual.

SPECIFICATIONS	
<b>Voltage:</b>	110/120V, 60Hz 220/240V, 50Hz
<b>Power:</b>	2050W (220V version) 1550W (110V version)
<b>Size (HxWxD):</b>	74 x 40 x 35cm
<b>Weight:</b>	19kg

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**ACCESSORIES - Herschel Emulsifier****REQUIRED**

- 94632-0** SILICONE OIL, 20 litres, for filling bath, for use up to 150°C.  
OR  
**94633-0** BATH OIL, 20 litres, for filling bath, for use up to 100°C.  
**96511-0** GLASS CYLINDER, borosilicate glass, 100ml graduated (7 required).

**THERMOMETERS:**

ASTM 19C; 19F; 21C; 21F