

# ORBIS BV

*Innovation in distillation*



## MOPv2

Manual Distillation

# We know distillation

Orbis BV has developed and manufactured atmospheric distillation equipment for the petrochemical industry since 1999. With PAMv2 for full automatic operation and MOPv2 for manual operation, our focus is and stays: *To deliver high quality instruments that save worldwide customers time and money while producing the best test results achievable.*

MOPv2 is equipped with an advanced low mass/low voltage heater element with heat reflection system, providing 30% more heat efficiency.

## **Solid State Condenser Cooling (SSCC), the benefits:**

- Easy operation, no water or ice filling
- Fast cooling interactions powerful Peltier elements for quick cooling or heating of condenser

- Accurate temperature according to method
- Ramping mode to prevent both evaporation loss and waxing within one distillation run
- Reliable configuration: no liquids or moving parts and maintenance friendly
- Built-in: small instrument footprint
- CFC free

The solid elevator system enables the heater element and the flask support board to be positioned correctly underneath the flask. A glass door with handle provides easy access to the flask. Built with premium hardware components, MOPv2 is built to last. The several upgrading options make the system an even more future proof investment.

## Specifications:

Methods: ASTM D86, D1078, D216 (obs), D447 (obs), D850, E133, BIS IS 1448 Part 18, BS 2000 Parts 123, 191 & 195, BS 658, BS 7392, FTM 791 1001, IP 123, IP 191, IP 195, IP 75 (obs), ISO 198, ISO 3405, JIS K2254, NF M07-002 (obs), 10% residue for carbon residue measurement

Condenser cooling: Built-in solid state condenser unit. Thermo-electric with Peltier elements. Temperature range 0-65°C. Resolution 0.1°C

Heating system: 1000Watt Low mass / Low voltage with reflection system, providing 30% more heat, durability and energy saving.

Mainframe: Aluminium  
Chimney: Double walled with stainless steel  
Supply voltage: 100-220 VAC 50-60 Hz  
Total power: 1.2 KW  
Dimensions (mm): 40x40x65(WxDxH)  
Weight (kg): 30

## Optional / upgradable to:

- Automatic fire extinguishing system
- Full-automatic distillation: upgrade kit with iPad, Volume Scan system, controller pcb's and accessories



**Contact Lazar Scientific, Inc.**  
**12692 Sandy Drive, Suite 116**  
**Granger, IN 46530**  
**574-271-7020**  
**support@lazarsci.com**

**www.lazarsci.com**