

Incubators, shaking, floor standing, Thermo Scientific MaxQ™ HP436



Applications include cell culture, extractions, plasmid purifications, solubility studies, hybridisations and staining and destaining.

- MaxQ™ HP incubated and refrigerated console orbital shakers feature a foot pedal for hands free operation for loading of samples and a large viewing window for viewing samples without disturbing the chamber atmosphere
- Shakers feature HEPA filtration for maximum protection from contamination, directed airflow system for optimum temperature uniformity and ideal growth conditions
- Ergonomic design ensures convenient access, and a front drain system makes the chamber easy to clean

Microprocessor control

- Operating temperatures - incubated: 5°C above ambient to 60°C or incubated/refrigerated: 4° to 60°C in 0.1°C increments with $\pm 0.1^\circ\text{C}$ control
- Displays run and setpoints of temperature, speed and time simultaneously on a 20 character backlit display
- Alphanumeric status messages on cycle status
- Menu driven programming for quick, easy access to all parameters
- Audible/visual over- and under temperature tracking and safety alarms ensure product protection
- Audible/visual, high/low rpm tracking alarms alert to speed deviations

Performance

- Patented HEPA filtration system
- Laminar airflow across the chamber aids temperature uniformity
- Low end temperature achieved by filtered, front-to-back refrigeration system airflow

Construction

- Crevice free, stainless steel interior with coved corners for easy cleaning
- Drain system with valve in front of chamber for easy liquid elimination
- Lid opens by hand or by depressing foot pedal for hands free operation when loading vessels
- Angled sides, lower front, and convenient platform height ensure a comfortable reach into chamber
- Thermal pane window provides a large viewing area
- Access port (back of cabinet wall) for probes, CO₂ gassing manifold, or other equipment
- Optional shelf provides additional storage
- Certifications: UL, cUL and CE
- Five year warranty on parts, one year labour and lifetime on drive mechanism



Technical Specification - General

Speed range, rpm	25 to 525
Speed control	$\pm 1\text{rpm}$
Operating conditions	80% RH at or below 31°C, decreasing linearly to 50% RH at 40°C
Timer	Continuous operation (hold) or timed operation from 1min up to 199hr 59min
Temperature uniformity, °C	0.2 at 37°C (in flask)
Platform dimensions, mm	457 x 749
Dimensions [w x d x h], mm	$\pm 1\text{rpm}$
Humidity, %RH	25
Temperature range, °C	15 to 32
Mass, kg	302
Electrical supply	230V, 50/60Hz

Thermo Scientific MaxQ™ HP incubated and refrigerated console shakers are ideal for large 4L and 6L flasks.

Please note: Platform and clamps not included.

Catalogue No	Legacy No	Alt. No	Description	Mass, kg
12622785	-	SHKE436HP	Incubated floor shaker	302
12632785	-	SHKE481HP	Refrigerated floor shaker	302

Platforms

Catalogue No	Legacy No	Alt. No	Description	For use with
10739463	-	238001	Universal platform, 749mm x 457mm	MaxQ™ HP 430/435/436/480/481
10054122	-	238017	Erlenmeyer platform, 749mm x 457mm, 25mL	MaxQ™ HP 430/435/436/480/481
10135432	-	238018	Erlenmeyer platform, 749mm x 457mm, 25 x 50mL	MaxQ™ HP 430/435/436/480/481
12652795	-	238019	Erlenmeyer platform, 749mm x 457mm, 125mL	MaxQ™ HP 430/435/436/480/481
10398962	-	238020	Hi-cap Erlenmeyer platform, 749mm x 457mm, 250mL/300mL	MaxQ™ HP 430/435/436/480/481
10278052	-	238021	Erlenmeyer platform, 749mm x 457mm, 500mL	MaxQ™ HP 430/435/436/480/481
10195472	-	238022	Erlenmeyer platform, 749mm x 457mm, 1L	MaxQ™ HP 430/435/436/480/481
10013842	-	238023	Erlenmeyer platform, 749mm x 457mm, 2L	MaxQ™ HP 430/435/436/480/481
10403292	-	238024	Erlenmeyer platform, 749mm x 457mm, 4L	MaxQ™ HP 430/435/436/480/481
10533323	-	238025	Erlenmeyer platform, 749mm x 457mm, 6L	MaxQ™ HP 430/435/436/480/481
10543323	-	238026	Fernbach platform, 749mm x 457mm, 2,800mL	MaxQ™ HP 430/435/436/480/481
10708323	-	238054	Erlenmeyer platform, 749mm x 457mm, 250mL/300mL	MaxQ™ HP 430/435/436/480/481
10237872	-	238054	Erlenmeyer platform, 749mm x 457mm, 5L	MaxQ™ HP 430/435/436/480/481
11706449	-	300349	Adhesive flask mat, 229mm x 229mm	MaxQ™ 8000 and HP series
12642795	-	194033	Stainless steel shelf	MaxQ™ HP 430/435/436/480/481

entry continued