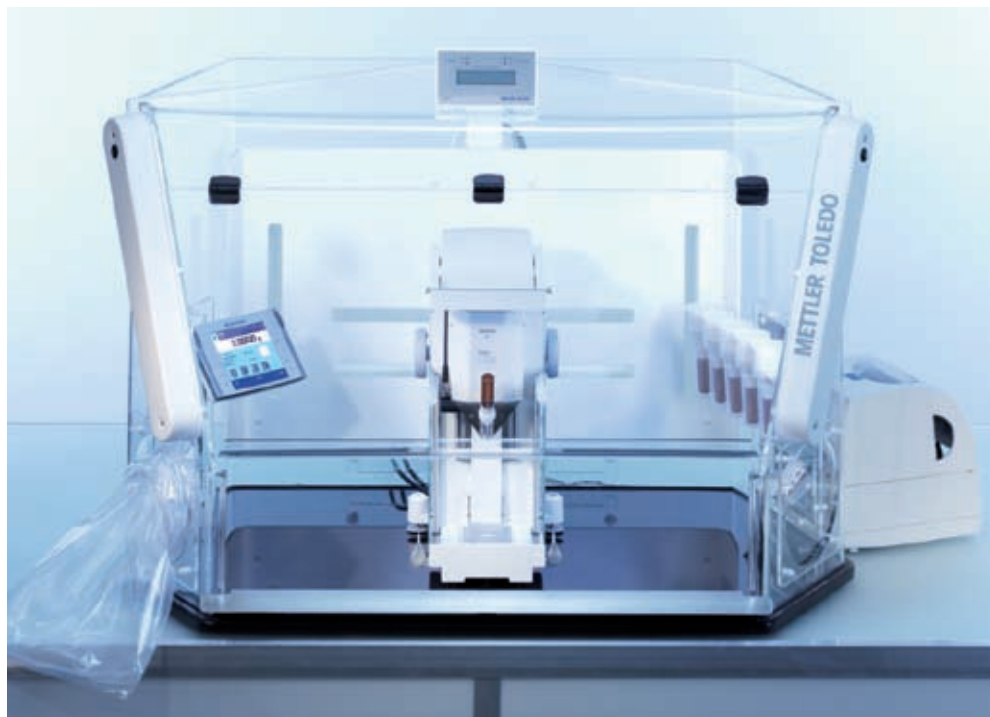


QUANTOS Safety Enclosure QSE1



The QSE1 safety enclosure is the latest generation of containment systems specifically designed to protect the analyst during the weighing and dosing process, and has been performance tested specifically for the weighing of active drug compounds.

In addition to proven safety performance, the unique design and control features of the QSE1 makes this system the most flexible and user friendly in the industry.

Safety Features of the QSE1

- Ergonomic working environment
- Turbulence free airflow
- Waste disposal chute
- Safe change HEPA filtration system
- Airflow alarm monitoring system
- Proven containment performance
- Safe cleaning design

Safety Knows no Alternative

Overview

Specifically designed to protect the analyst when weighing active drug compounds, the QSE1 safety enclosures provide a turbulence free weighing environment which allows the high-performance QUANTOS dosing system to operate effectively and also prevent powder loss or contamination which can occur in less controlled airflow environments.

The QSE1 design provides a smooth laminar airflow across the face of the enclosure and around the QUANTOS dosing system. Airborne contaminants are carried away from the weighing zone and passed through a dedicated HEPA filtration system which is designed and proven to trap contaminants which would otherwise be released into the laboratory environment. HEPA filtration is provided as standard and tested to conform to EN1822 standards for filtration in pharmaceutical laboratories.

The QSE1 range has been independently tested with various drug compounds for the manipulation and weighing of active drug formulations and can provide an ECL (Exposure Control Limit) of less than 10 ng/m³.

To ensure operator safety, all QSE1 enclosure systems are supplied with the FlowTech alarm specifically designed to provide warning in the event of an airflow failure.



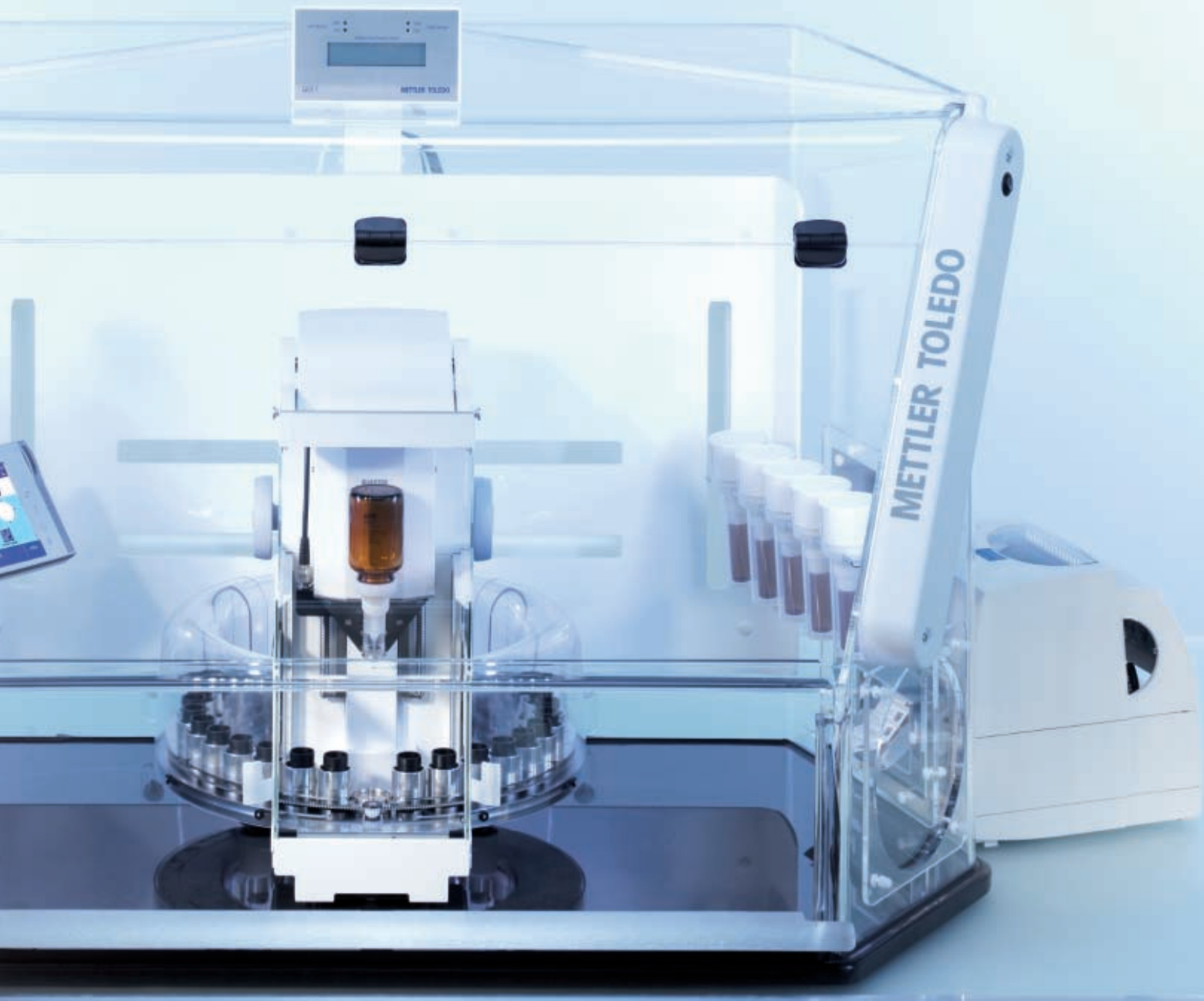
Label Printer

The optionally available label printer enables retrieval of sample identification labels exclusively within the safety enclosure, thus keeping hands inside the enclosure at all times and avoiding potential contamination.



Terminal Holder

The easy placement of the terminal on the left or right side of the user guarantees good visibility within an ergonomic working environment.



Dosing Head Holder

The optionally available dosing head rack is specifically designed to hold up to five dosing heads for easy operator access within the enclosure.



Waste Disposal Chute

The QSE1 is designed with disposal chutes on both sides of the enclosure which helps operators maintain a well organized work area and improve safety.



LED Light System

The built-in LED light system optimizes operator working conditions and safety. Light sources are placed lateral to the QUANTOS system for ideal instrument and work surface lighting.



FlowTech Alarm

The FlowTech Dual Sensor alarm system measures the airflow across the face of the enclosure at two locations and provides the operator with alarm conditions in the event of low failure across the enclosure opening.

Specification QSE 1

Dimensions	Width x Depth x Height	770 x 790 x 1200 mm
	Height working opening	225 mm
Granite base		black polished granite
Filtration efficiency	HEPA H14	99.995% by particle size of 0.3 µm
Extracted and supplied air	Volume flow	306 m³/h
Face velocity	"Lo" to "Hi"	approx. 0.3 m/s to 0.45 m/s
Exposure Control Limit (ECL)		<10 ng/m³
Electrical connection		100 – 240 V, 50/60 Hz
Power consumption		3300 W
Bench space recommended		1600 x 800 mm

Construction

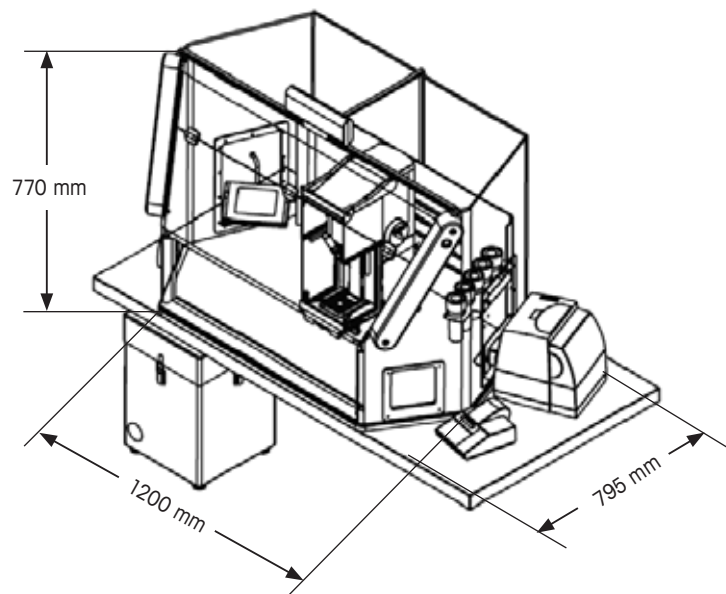
- Built using polished black granite base for added chemical resistance and durability
- Recessed base to contain spills
- Molded airfoils for increased containment
- Unique directional airflow baffle technology

FlowTech Alarm

- Dual airflow sensor
- Data logging module for recording airflows
- Audit trail for flow performance

Safety Performance

- Surrogate powder independently tested to ISPE guidelines
- Sodium Naproxen Challenge
- ECL <10 ng/m³
- HEPA filters tested to EN1822



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For more information



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