VWR® Biological
Safety Cabinets

Valuline EN Biosafety Cabinet Class II, Type A2

VWR's Valuline Biosafety Cabinet protects lab staff, the environment, and sensitive work processes in which biological agents are applied.

This cost-efficient cabinet offers a high level of contamination protection, based on two advanced HEPA H14 99.9995% @ 0.3 μm filters and features an airflow pattern of 70% downflow and 30% exhaust.

The cabinet is made of a robust, epoxy-coated metal structure with SS304 internals.

The cabinet is CE certified and complies with EN 12469.

Structure:

– Metal is epoxy-coated
– Internal lining is SS304, including the one-piece retractable worktop with spill tray
– Front window of 6 mm triplex safety glass

- Inflow and downflow alarms, sash position alarm

- ISO 5/CLASS 100 cleanliness level ISO 14644-1 and US Federal Standard 209E

- 2 x taps

- Microprocessor control system with 7" color touchscreen display

- Class II, Type A2 Airflow Pattern: 70% circulation, 30% exhaust

- Germicidal waterproof UV light (254 nm) system and safety interlock mechanism

- LED light (1000 lux)

- 2 x HEPA H14 filters with 99.9995% efficiency at 0.3 μm

- 2 x electrical outlets

- High efficiency and quiet EC fan

- CE certified, EN 12469

Valuline Biosafety Cabinet Class II, Type A2

	VWRA135-2887	VWRA135-2888	VWRA135-2889	VWRA135-2890
Type	A2	A2	A2	A2
Available standard sizes	915 x 800 x 1450 mm (3 ft)	1220 x 800 x 1450 mm (4 ft)	1525 x 800 x 1450 mm (5 ft)	1830 x 800 x 1450 mm (6 ft)
external body material	16 gauge epoxy coated metal			
Air Pattern	70% circulation, 30% exhaust, dynamic chamber design			
Downflow / Inflow	0.33 m/s, 66 FPm / 0.5 m/s, 100 fpm			
Front sash type	6mm tempered glass,10% angel, 550mm clear view			
Front sash working hight /max opening	8" (20 cm)/ 17.7" (45 cm)			
Worktop / internal	Full SS 304, autoclavable retractable worktop			
Armrest	SS 304 armrest			
Taps	1 water tap & 1 gas tap included			
Sockets	Two IP44 multinational sockets included with control through main screen			
Germicidal spray protected UV	254 nm with interlock safety system and timer, spray protected			
Control screen size and Features	7" colored full touch, light control, UV control, socket control, sash position alarm, air velocity alarm, service timer, air velocity live monitoring, multilingual			
Metal stand	Adjustable metal stand with leveling legs			
Filter Type	2x HEPA H14 Efficiency 99.9995% @ 0.3 um, DOP tested			
Operation system	TopAir 3rd Gen Microprocessor			
Certification	Comply with EN 12469 and CE certified			

EN Biosafety Cabinet Class II Type A2 with Integrated Particle Monitoring Systems (IPMS)

VWR's Class II, Type A2 Biological Safety Cabinet protects lab staff, the environment and sensitve work processes in which biological agents are applied. The cabinet offers a high level of contami-nation protection, based on two advanced HEPA H14 99.9995% @ 0.3 μm filters.

The cabinet is made of a robust, epoxy-coated metal structure with SS304 internals.

Built in IPMS system: VWR® provides the world's first Integrated Particle Monitoring system that includes a contamination alarm for ISO 5 clean verification.

Structure:

The cabinet is CE certified and complies with EN 12469.

– Metal is epoxy-coated
– Internal lining is SS304, including the one-piece retractable worktop with spill tray
– Front window of 6 mm triplex safety glass

- Microprocessor control system with 10.1" color touchscreen display
- Class II, Type A2 Airfow Pattern: 70% circulation, 30% exhaust
- Two ULPA U15 filters 99.9995% @ 0.1 μm
- High efficiency quiet ECM fan with VAV auto filter clogging compensation
- Inflow and downflow alarms, sash position alarm, critical chamber red light alarm, service reminder
- Real time filter gauge status display
- Germicidal waterproof UV light (254 nm) system and safety interlock mechanism

- LED light (1000 lux)
- 2 x universal sockets
- Time and date display
- Temperature and humidity display and alarm
- Multi language control, metric/imperial units
- Adjustable stand and arm rest
- ISO 5/CLASS 100 cleanliness level ISO 14644-1 and US Federal Standard 209E
- CE certified, EN 12469

	VWRA135-2891	VWRA135-2892	VWRA135-2893	VWRA135-2894
Type	A2	A2	A2	A2
Available standard sizes	915 x 800 x 1450 mm (3 ft)	1220 x 800 x 1450 mm (4 ft)	1525 x 800 x 1450 mm (5 ft)	1830 x 800 x 1450 mm (6 ft)
external body material	16 gauge epoxy coated metal			
Air Pattern	70% circulation, 30% exhaust, dynamic chamber design			
Downflow / Inflow	0.33 m/s, 66 FPm / 0.5 m/s, 100 fpm			
Front sash type	6mm tempered glass,10% angel, 550mm clear view			
Front sash working hight /max opening	8" (20 cm)/ 17.7" (45 cm)			
Worktop / internal	Full SS 304, autoclavable retractable worktop			
Armrest	SS 304 armrest			
Taps	1 water tap & 1 gas tap included			
Sockets	Two IP44 multinational sockets included with control through main screen			
Germicidal spray protected UV	254 nm with interlock safety system and timer, spray protected			
Control screen size and Features	10.1" colored full touch, light control, UV control, socket control, sash position alarm, air velocity alarm, filter Status, service timer, air velocity live monitoring, temp & humidity, alarm log, multilingual, metric and imperial			
Filter replacement alarm	Realtime filter status gage and filter replacement alarm			
IPMS	Integral Particle monitoring system and alarm, Realtime ISO 5 verification			
Metal stand	Adjustable metal stand with casters and leveling legs			
Filter Type	2x HEPA H14 Efficiency 99.9995% @ 0.3 um, DOP tested			
Operational system	TopAir 3rd Gen Dual Processor			
Red light chamber Alarm	Critical alarm chamber red light			
Certification	Comply with EN 12469 and CE certified			

Biosafety Cabinet Class II, Type B2 with Integrated Particle Monitoring System (IPMS)

VWR's Class II, Type B2 Biological Safety Cabinet protects lab staff, the environment and sensitive work processes in which biological agents are applied. The cabinet offers a high level of contamination protection, based on two advanced HEPA H14 99.9995% @ 0.3 μm filters.

The cabinet is made of a robust, epoxy-coated metal structure with SS304 internals.

Built in IPMS system: VWR® provides the world's first Integrated Particle Monitoring system that includes a contamination alarm for ISO 5 clean verification.

Structure:

The cabinet is CE certified and complies with EN 12469.

- Metal is epoxy-coated
- Internal lining is SS304, including the one-piece retractable worktop with spill tray
- Front window of 6 mm triplex safety glass

- Microprocessor control system with 10.1" color touchscreen display
- Class II, Type B2 Airflow Pattern: 100% exhaust
- Two ULPA U15 filters 99.9995% @ 0.1 μm
- High effciency quiet ECM fan with VAV auto filter clogging compensation
- Inflow and downflow alarms, sash position alarm, critical chamber red light alarm, service reminder
- Real time filter gauge status display
- Germicidal waterproof UV light (254 nm) system and safety interlock mechanism

- LED light (1000 lux)
- 2 x universal sockets
- 2 x taps
- Time date, temperature, humidity display
- Multi language control, metric/imperial units
- Adjustable stand and arm rest
- ISO 5/CLASS 100 cleanliness level ISO 14644-1 and US Federal Standard 209E
- CE certified, EN 12469 (BO-120-PP)
- Class II, Type B2 cabinet requires an exhaust connection to a ducting system (not included)

	VWRA135-2895	VWRA135-2896	VWRA135-2897	VWRA135-2898
Type	B2	B2	B2	B2
Available standard sizes	915 x 800 x 1450 mm (3 ft)	1220 x 800 x 1450 mm (4 ft)	1525 x 800 x 1450 mm (5 ft)	1830 x 800 x 1450 mm (6 ft)
external body material	16 gauge epoxy coated metal	16 gauge epoxy coated metal	16 gauge epoxy coated metal	16 gauge epoxy coated metal
Air Pattern	100% exhaust	100% exhaust	100% exhaust	100% exhaust
Downflow / Inflow	0.33 m/s, 66 FPm / 0.5 m/s, 100 fpm			
Front sash type	6mm tempered glass,10% angel, 550mm clear view			
Front sash working hight /max opening	8" (20 cm)/ 17.7" (45 cm)			
Worktop / internal	Full SS 304, autoclavable retractable worktop			
Armrest	304SS armrest			
Taps	1 water tap & 1 gas tap included			
Sockets	Two IP44 multinational sockets included with control through main screen			
Germicidal spray protected UV	254 nm with interlock safety system and timer, spray protected			
Control screen size and Features	10.1" colored full touch, light control, UV control, socket control, sash position alarm, air velocity alarm, filter status, service timer, air velocity live monitoring, temp & humidity, alarm log, sultilingual, metric and imperial			
Filter replacement alarm	Realtime filter status gage and filter replacement alarm			
IPMS	Integral Particle monitoring system and alarm, realtime ISO 5 verification			
Metal stand	Adjustable metal stand with casters and leveling legs			
Filter Type	2x HEPA H14 Efficiency 99.9995% @ 0.3 um, DOP tested			
Operational system	TopAir 3rd Gen Dual Processor			
Red light chamber Alarm	Critical alarm chamber red light			
Certification	Comply with EN 12469 and CE certified			

Optional Accessories

MODEL	ACCESSORY
VWRA135-2899	Set Includes: centrifugal fan, 10-meter flex pipe dia. 25/10" and frequency inverter

Biosafety Cabinet Class II, Type A2 NSF-49 with Integrated Particle Monitoring System (IPMS)

VWR's Class II, Type A2 Biological Safety Cabinet protects lab staff, the environment, and sensitive work processes in which biological agents are applied.

The cabinet offers a high level of contamination protection, based on two advanced ULPA U15 99.9995% @ 0.1 μm filters and features an airflow pattern of 70% downflow and 30% exhaust.

The cabinet is made of a robust, epoxy-coated metal structure with SS304 internals.

The cabinet is operated using an elegant 10.1" intuitive touchscreen control system that provides all of the device's status information and alerts for unsafe critical conditions and periodic maintenance reminders.

Built-in IPMS system: VWR® provides the world's first Integrated Particle Monitoring system that includes a contamination alarm for ISO 5 clean verification. The cabinet is CE certified and complies with NSF-49.

Structure:

– Metal is epoxy-coated
– Internal lining is SS304, including the one-piece worktop
– Front window of 6 mm triplex safety glass

- – Microprocessor control system with 10.1" color touchscreen display

- – Class II, Type A2 Airflow Pattern: 70% circulation, 30% exhaust

- – Two ULPA U15 filters 99.9995% @ 0.1 μm

- – High-efficiency quiet ECM fan with VAV auto filter clogging compensation

- – Inflow and downflow alarms, sash position alarm, critical chamber red light alarm, filter alarm, service reminder alarm

- – Real-time filter gauge status display

- – Germicidal waterproof UV light (254 nm) system and safety interlock mechanism

- – LED light (1000 lux)

- – 2 x universal sockets

- – 2 x taps

- – Time, date, temperature and humidity display

- – Multi-language control, metric/imperial units

- – Adjustable stand and armrest

- – ISO 5/CLASS 100 cleanliness level ISO 14644-1 and US Federal Standard 209E

- – CE certified, complies with NSF-49

	VWRA135-2900	VWRA135-2901	VWRA135-2902	VWRA135-2903
Type	A2	A2	A2	A2
Available standard sizes	915 x 800 x 1450 mm (3 ft)	1220 x 800 x 1450 mm (4 ft)	1525 x 800 x 1450 mm (5 ft)	1830 x 800 x 1450 mm (6 ft)
External body material	16 gauge epoxy coated metal			
Air Pattern	70% circulation, 30% exhaust			
Downflow / Inflow	0.33 m/s, 66 FPm / 0.5 m/s, 100 fpm			
Front sash type	6mm tempered glass,10% angel, 550 mm clear view			
Front sash working hight /max opening	8" (20 cm)/ 18.9" (48 cm)			
worktop / internal	Full SS 304, autoclavable retractable worktop			
Taps	1 water tap & 1 gas tap included			
sockets	Two IP44 multinational sockets included with control through main screen			
UV	254 nm with interlock safety system, and spray protected			
control screen size and function	10.1" colored full touch, light control, UV control, socket control, sash position alarm, air velocity alarm, filter Status, service timer, air velocity live monitoring, temp & humidity, alarm log, multilingual			
Filter replacement alarm	Realtime filter status gage and filter replacement alarm			
IPMS	Integral Particle monitoring system and alarm,Realtime ISO 5 verification			
Metal stand	Adjustable metal stand with casters and leveling legs			
Filter Type	2x ULPA U15 Efficiency @99.9995% @ 0.1 um			
operational system	TopAir 3rd Gen Dual Processor			
Red light chamber Alarm	Critical alarm chamber red light			
Certification	NSF 49 compliance and CE certified			

IPMS - Integrated Particle Monitoring System

The IPMS measures particle concentration in real time, monitoring the cleanliness level 24/7. The clear display indicates whether the cleanliness level complies with ISO 5 and alerts when the workspace has been contaminated or needs to be serviced.
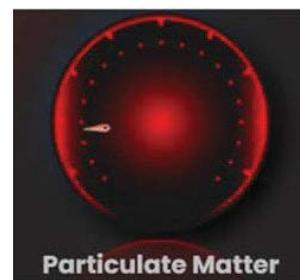
The IPMS smart algorithm processes data provided by an advanced built-in sensor and displays a reliable outcome. IPMS provides critical real-time information on the air quality within the workspace, prevents cross-contamination and ensures constant compliance with relevant standards.

The IPMS is an unprecedented solution that can transform the future of biological processes in the industry.

GREEN LIGHT

Chamber environment is equal or better than the IOS-5 requirement within the workspace

RED LIGHT

Chamber environment is lower than the IOS-5 requirement within the workspace