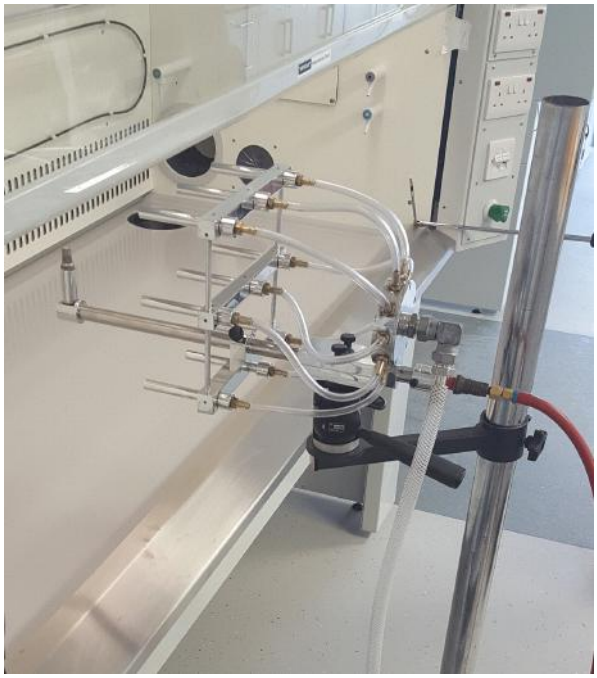


CHEMICAL SYSTEMS CONTROL

THE LAB SPECIALISTS

IRISH MANUFACTURER EST. 1980

Lab Furniture, Fume Cupboards, and Extraction System
manufactured and installed by CSC

TABLE OF CONTENTS

PRODUCTS

For more information visit our website: www.csc.ie

Fume Cupboards manufactured and installed by CSC

ABOUT US

Chemical Systems Control was founded in 1980 with a vision of providing laboratories & medical facilities with high quality yet cost effective Fume Cupboard solutions tailored to their individual needs. Over the last 40 years, we have achieved consistent growth in all aspects of our business. Our investment in our staff has laid the foundations for successful partnerships with our clients and business partners alike.

Today, our core objective remains the same but our Product Portfolio has changed to meet the expectations and requirements of existing and new business clients. Our products and solutions are unrivalled as we enter new geographical markets with our custom fit Furniture range. Our ChemFlow fume cupboards are EN 14175 Certified, a must for energy efficiency and safety.

We are Ireland's leading manufacturer of Fume Cupboards. We are market leaders in cutting edge technology but as a wholly Irish owned organization we offer that personal touch on support services that allows our clients to concentrate on their core business.

Our production facility and office in Ashbourne, Co Meath, provides a complete range of services and solutions that can be tailored to your specific needs. All products are manufactured to the highest standards using the best quality durable materials. Our highly trained and skilled team focus on our main priority, customer satisfaction. And in March 2020, CSC achieved the ISO 9001, 14001 and 45001, reaffirming our commitment to excellence.

ISO 9001

ISO 9001:2015 EQA QUALITY ASSURED COMPANY

ISO 14001

ISO 14001:2015 EQA ENVIRONMENTAL APPROVED SYSTEM

ISO 45001

ISO 45001:2018 EQA OCCUPATIONAL, HEALTH & SAFETY APPROVED SYSTEM

MADE IN IRELAND PREMIUM QUALITY

Chemical Systems Control CSC Laboratory Specialists

CHEMFLOW

FUME CUPBOARDS

Chemical Systems Control
CSC
Laboratory Specialists

CHEM FLOW

CSC has spent the last 40 years researching, developing, and perfecting the ChemFlow range of fume cupboards. We have created a range to suit all labs and applications with models including Bench Mounted, Scrubber, Walk-in, Lower Floor, Nano, and School types. Our dedication to user safety and customer satisfaction has driven the evolution of the ChemFlow range.

The unique design of our fume cupboards is unparalleled. The outer shell is manufactured from high-quality chemical resistant PVC which significantly increases the lifespan of the fume cupboard. The main chamber is manufactured from compact laminate as standard.

Our Modbus monitor is an advanced microprocessor-controlled safety monitoring system designed to suit a wide range of fume cupboards.

The ChemFlow was the first fume cupboard to achieve the original BS7258 standard in 1990 and today holds the EN14175 Certification for all of our standard fume cupboards.

CHEMFLOW
BENCH MOUNTED

The CHEMFLOW Bench Mounted fume cupboard is suited to general laboratory use and can be tailored to suit a customer's exact requirements. Its design provides a safe working environment, ensuring maximum efficiency whilst providing a safe, noise-tolerant environment for the operator as they work. Manufactured as standard from 6mm thick, chemical-resistant PVC, they are virtually corrosion-proof, ensuring safety and an increased product life span. Our CHEMFLOW fume cupboards are certified to the EN 14175 standard.

Key Features:

- Corrosion Resistant PVC
- High-Quality Material
- 16mm Trespa TopLab Plus Worktop
- 6mm Anti Corrosive Compact Laminate Lining
- 6mm Toughened Vertical Glass Sash
- Fail-Safe Counter Balance Sash
- AirFlow Modbus Monitor & Controller
- Gas, Water & Drip Cup Fixtures
- Full Automatic Sash with Energy Save Options
- 1 Year Warranty*
- Manufactured in Ireland

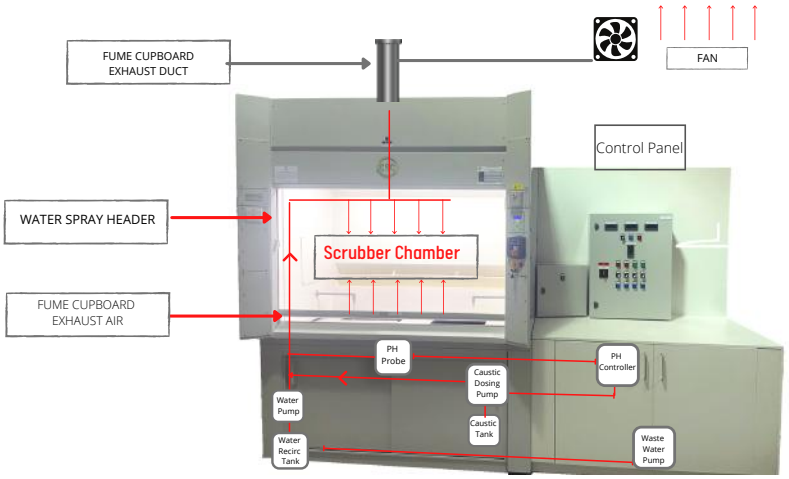
*The standard 1-year warranty can be extended to 2 years if a CSC service contract is purchased with the Fume Cupboard

Standard Configurations

Model	1200	1500	1800	2000	2400
External Dimensions (WxDxH)	1200x900x2375	1500x900 x2375	1800x900 x2375	2000x900 x2375	2400x900 x2375
Working Dimensions (WxDxH)	880x720x1100	1180 x720x1100	1480x720 x1100	1680 x720x1100	2080x720 x1100
6mm PVC Outer Skin	✓	✓	✓	✓	✓
Compact Laminate Lining	✓	✓	✓	✓	✓
400 / 500 LUX Lighting	✓	✓	✓	✓	✓
220v 50Hz Mains Power	✓	✓	✓	✓	✓
Epoxy Resin Worktop	Optional	Optional	Optional	Optional	Optional
6mm PVC Outer Skin	✓	✓	✓	✓	✓
CSC Modbus 2200 Airflow Monitor	✓	✓	✓	✓	✓
6mm Toughened Glass Sash	✓	✓	✓	✓	✓
Standard Sash Opening 500mm	✓	✓	✓	✓	✓
Trespa Toplab Plus Worktop	✓	✓	✓	✓	✓
Epoxy Steel Frame	✓	✓	✓	✓	✓
Recommended Exhaust Volume	0.22m³/sec	0.295m³/sec	0.370m³/sec	0.420m³/sec	0.520m³/sec
Diameter of Exhaust Outlet	200Ø	250Ø	315Ø	315Ø	2x 250Ø
Vulcathene Drip Cup	1	1	1	2	2
Twin Electrical Sockets	2	2	1	2	2
Gas	1	1	1	1	1
Water	1	1	1	2	2

CHEMFLOW
SCRUBBER

For laboratories where acids such as Perchloric, hydrofluoric, and other water-soluble acids are used we offer our CHEMFLOW Scrubber cupboard with an inbuilt scrubbing system. By employing our unique tellerette-filled scrubbing chamber at the rear of the fume cupboard with its patented water wash down demister jets we can scrub the exhaust fumes with high efficiency. We include a recirculation tank and pump and include the option of a neutralization tank and dosing system which will allow the wastewater to be returned to the town's waste system subject to local regulations. Manufactured as standard from 6mm thick, chemical-resistant PVC, they are virtually corrosion-proof, ensuring safety and an increased product life span. Our CHEMFLOW fume cupboards are certified with the EN 14175 standard.



Key Features:

- Corrosion Resistant PVC
- High-Quality Material
- 6mm Anti Corrosive Compact Laminate Lining
- 6mm Toughened Vertical Glass Sash
- Fail-Safe Counter Balance Sash
- AirFlow Modbus Monitor & Controller
- Gas, Water & Drip Cup Fixtures
- Includes Recirculation Tank & Pump
- Neutralization Tank and Auto-dosing system
- 1 Year Warranty*
- Manufactured in Ireland

**The standard 1-year warranty can be extended to 2 years if a CSC service contract is purchased with the Fume Cupboard*

Standard Configurations

Model	1200	1500	1800	2000	2400
External Dimensions (WxDxH)	1200x1120x2375	1500x1120 x2375	1800x1120 x2375	2000x1120 x2375	2400x1120 x2375
Working Dimensions (WxDxH)	880x720x1100	1180 x720x1100	1480x720 x1100	1680x720x1100	2080x720 x1100
6mm PVC Outer Skin	✓	✓	✓	✓	✓
Compact Laminate Lining	✓	✓	✓	✓	✓
400 / 500 LUX Lighting	✓	✓	✓	✓	✓
220v 50Hz Mains Power	✓	✓	✓	✓	✓
Epoxy Resin Worktop	Optional	Optional	Optional	Optional	Optional
Polypropylene Base	Optional	Optional	Optional	Optional	Optional
6mm PVC Outer Skin	✓	✓	✓	✓	✓
CSC Modbus 2200 Airflow Monitor	✓	✓	✓	✓	✓
6mm Toughened Glass Sash	*Standard	*Standard	*Standard	*Standard	*Standard
6mm Clear Polycarbonate Sash	*Optional	*Optional	*Optional	*Optional	*Optional
Standard Sash Opening 500mm	✓	✓	✓	✓	✓
Trespa Toplab Plus Worktop	✓	✓	✓	✓	✓
Epoxy Steel Frame	✓	✓	✓	✓	✓
Recommended Exhaust Volume	0.22m³/sec	0.295m³/sec	0.370m³/sec	0.420m³/sec	0.520m³/sec
Diameter of Exhaust Outlet	200Ø	250Ø	315Ø	315Ø	2x 250Ø
Vulcathene Drip Cup	1	1	1	2	2
Twin Electrical Sockets	1	1	2	2	2
Gas	1	1	1	2	2
Water	1	1	1	2	2

**The specification of Fume Cupboard Sash will depend on the intended chemical usage. For example, a scrubber using hydrofluoric acid will require a polycarbonate sash.*

MADE IN IRELAND PREMIUM QUALITY

CHEMFLOW
WALK-IN

The CHEMFLOW Walk-In fume cupboard is suited to general laboratory use and can be tailored to suit a customer's exact requirements. Its design provides a safe working environment, ensuring maximum efficiency whilst providing a safe, noise-tolerant environment for the operator as they work. Our ability to custom build our fume cupboards means we can manufacture bespoke sizes up to 3000 wide x 2500 deep x 3500 high, ideal for specialized drug manufacturing processes. Manufactured as standard from 6mm thick, chemical-resistant PVC, they are virtually corrosion-proof, ensuring safety and an increased product life span. Our CHEMFLOW Walk-In fume cupboards are manufactured and containment tested in accordance to EN 14175 standard.

Key Features:

- Key Features:
- Corrosion Resistant PVC
- High-Quality Material
- 6mm Anti Corrosive Compact Laminate Lining
- 6mm Toughened Vertical Glass Sash
- Fail-Safe Counter Balance Sash
- AirFlow Modbus Monitor & Controller
- Gas, Water & Drip Cup Fixtures
- Custom Sizes Available
- 1 Year Warranty*
- Manufactured in Ireland

*The standard 1-year warranty can be extended to 2 years if a CSC service contract is purchased with the Fume Cupboard.

Standard Configurations

Model	1200	1500	1800	2000	2400
External Dimensions (WxDxH)	1200x1000x2375	1500x1000 x2375	1800x1000 x2375	2000x1000 x2375	2400x1000 x2375
Working Dimensions (WxDxH)	880x720x2100	1180 x720x2100	1480x720 x2100	1680x720x2100	2080x720 x2100
6mm PVC Outer Skin	✓	✓	✓	✓	✓
Compact Laminate Lining	✓	✓	✓	✓	✓
400 / 500 LUX Lighting	✓	✓	✓	✓	✓
220v 50Hz Mains Power	✓	✓	✓	✓	✓
Epoxy Resin Worktop	Optional	Optional	Optional	Optional	Optional
6mm PVC Outer Skin	✓	✓	✓	✓	✓
CSC Modbus 2200 Airflow Monitor	✓	✓	✓	✓	✓
6mm Toughened Glass Sash	✓	✓	✓	✓	✓
Standard Sash Opening	On Request	On Request	On Request	On Request	On Request
Trespa Toplab Plus Worktop	Optional	Optional	Optional	Optional	Optional
Epoxy Steel Frame	N/A	N/A	N/A	N/A	N/A
Recommended Exhaust Volume	0.264m³/sec	0.354m³/sec	0.440m³/sec	0.500m³/sec	0.620m³/sec
Diameter of Exhaust Outlet	200Ø	250Ø	250Ø	250Ø	2x 200Ø
Vulcathene Drip Cup	1	1	1	1	2
Twin Electrical Sockets	2	2	2	2	2
Gas	1	1	1	1	1
Water	1	1	1	1	2

CHEMFLOW
LOWERED FLOOR

The CHEMFLOW Lowered Floor fume cupboard is manufactured as standard from 6mm thick fabricated sheet PVC. Ideally suited to large distillation or bulky apparatus operations. Manufactured to meet and surpass the recommendations' laid down in the EN 14175 fume cupboard standards. As per the data information below, our flexibility allows us to meet your exact requirements regarding the height, width, and depth of the fume cupboard. Sizes above 2000mm in width require a change to a polycarbonate sash.

Key Features:

- Corrosion Resistant PVC
- High-Quality Material
- 16mm Trespa TopLab Plus Worktop
- 6mm Anti Corrosive Compact Laminate Lining
- 6mm Toughened Vertical Glass Sash
- Fail-Safe Counter Balance Sash
- AirFlow Modbus Monitor & Controller
- Gas, Water & Drip Cup Fixtures
- Full Automatic Sash with Energy Save Options
- 1 Year Warranty*
- Manufactured in Ireland
-

*The standard 1-year warranty can be extended to 2 years if a CSC service contract is purchased with the Fume Cupboard

Standard Configurations

Model	1200	1500	1800	2000	2400
External Dimensions (WxDxH)	1200x900x2375	1500x900 x2375	1800x900 x2375	2000x900 x2375	2400x900 x2375
Working Dimensions (WxDxH)	880x720x1100	1180 x720x1100	1480x720 x1100	1680 x720x1100	2080x720 x1100
6mm PVC Outer Skin	✓	✓	✓	✓	✓
Compact Laminate Lining	✓	✓	✓	✓	✓
400 / 500 LUX Lighting	✓	✓	✓	✓	✓
220v 50Hz Mains Power	✓	✓	✓	✓	✓
Epoxy Resin Worktop	Optional	Optional	Optional	Optional	Optional
6mm PVC Outer Skin	✓	✓	✓	✓	✓
CSC Modbus 2200 Airflow Monitor	✓	✓	✓	✓	✓
6mm Toughened Glass Sash	✓	✓	✓	✓	✓
Standard Sash Opening 500mm	✓	✓	✓	✓	✓
Trespa Toplab Plus Worktop	✓	✓	✓	✓	✓
Epoxy Steel Frame	✓	✓	✓	✓	✓
Recommended Exhaust Volume	0.22m³/sec	0.295m³/sec	0.370m³/sec	0.420m³/sec	0.520m³/sec
Diameter of Exhaust Outlet	200Ø	250Ø	315Ø	315Ø	2x 250Ø
Vulcathene Drip Cup	1	1	1	2	2
Twin Electrical Sockets	1	1	2	2	2
Gas	1	1	1	1	1
Water	1	1	1	2	2

MADE IN IRELAND PREMIUM QUALITY

CHEMFLOW NANO

The CHEMFLOW NANO fume cupboard has been designed after much research and consultation with scientists to overcome safety concerns from working with nanoparticles in fume cupboards. The fume cupboard includes an inbuilt safe-change HEPA filter which is located in an easily accessible location for maintenance purposes. Our unique design limits the working area of the worktop to a "safe zone" as recommended by the scientific community. Available in our standard sizes as per the attached datasheet but our flexibility allows us to meet customer requirements regarding height widths and depths of fume cupboards. Designed to meet and surpass the recommendations' laid down in the EN 14175 fume cupboard standards.

Key Features:

- Corrosion Resistant PVC
- High-Quality Material
- 6mm Anti Corrosive Compact Laminate Lining
- 6mm Toughened Vertical Glass Sash
- Unique Safe Zone Design
- Fail-Safe Counter Balance Sash
- AirFlow Modbus Monitor & Controller
- Gas, Water & Drip Cup Fixtures
- Custom Sizes Available
- 1 Year Warranty*
- Manufactured in Ireland

*The standard 1-year warranty can be extended to 2 years if a CSC service contract is purchased with the Fume Cupboard

Standard Configurations

Model	1200	1500	1800	2000	2400
External Dimensions (WxDxH)	1200x1120x2375	1500x1120 x2375	1800x1120 x2375	2000x1120 x2375	2400x1120 x2375
Working Dimensions (WxDxH)	880x720x1100	1180 x720x1100	1480x720 x1100	1680x720x1100	2080x720 x1100
6mm PVC Outer Skin	✓	✓	✓	✓	✓
Compact Laminate Lining	✓	✓	✓	✓	✓
400 / 500 LUX Lighting	✓	✓	✓	✓	✓
220v 50Hz Mains Power	✓	✓	✓	✓	✓
Epoxy Resin Worktop	Optional	Optional	Optional	Optional	Optional
6mm PVC Outer Skin	✓	✓	✓	✓	✓
CSC Modbus 2200 Airflow Monitor	✓	✓	✓	✓	✓
6mm Toughened Glass Sash	✓	✓	✓	✓	✓
Standard Sash Opening 500mm	✓	✓	✓	✓	✓
Trespa Toplab Plus Worktop	✓	✓	✓	✓	✓
Epoxy Steel Frame	✓	✓	✓	✓	✓
Recommended Exhaust Volume	0.22m³/sec	0.295m³/sec	0.370m³/sec	0.420m³/sec	0.520m³/sec
Diameter of Exhaust Outlet	200Ø	250Ø	315Ø	315Ø	2x 250Ø
Vulcathene Drip Cup	1	1	2	2	2
Twin Electrical Sockets	1	1	2	2	2
Gas	1	1	2	2	2
Water	1	1	2	2	2

CHEMFLOW
EDUFLOW

The EduFlow Fume Cupboard has been designed to assist the teaching of science subjects primarily in second-level schools. Our unique rear viewing panel design maintains the requirements and performance of EN 14175 while increasing viewing capability for students. The size of the EduFlow fume cupboard is ideally suited to the classroom and meets with the Department of Education new fume cupboard design requirements.

Key Features:

- Corrosion Resistant PVC
- High-Quality Material
- 16mm Trespa TopLab Plus Worktop
- 6mm Anti Corrosive Compact Laminate Lining
- 6mm Toughened Vertical Glass Sash
- Fail-Safe Counter Balance Sash
- AirFlow Modbus Monitor & Controller
- Gas, Water & Drip Cup Fixtures
- 1 Year Warranty*
- Manufactured in Ireland

*The standard 1-year warranty can be extended to 2 years if a CSC service contract is purchased with the Fume Cupboard

Standard Configurations

Model	1200	1500
External Dimensions (WxDxH)	1200x750x2375	1500x750 x2375
Working Dimensions (WxDxH)	880x570x1100	1180x570x1100
6mm PVC Outer Skin	✓	✓
Compact Laminate Lining	✓	✓
400 / 500 LUX Lighting	✓	✓
220v 50Hz Mains Power	✓	✓
Epoxy Resin Worktop	Optional	Optional
6mm PVC Outer Skin	✓	✓
CSC Modbus 2200 Airflow Monitor	✓	✓
6mm Toughened Glass Sash	✓	✓
Standard Sash Opening 500mm	✓	✓
Trespa Toplab Plus Worktop	✓	✓
MDF Cupboard Frame	✓	✓
Recommended Exhaust Volume	0.22m³/sec	0.295m³/sec
Diameter of Exhaust Outlet	200Ø	200Ø
Vulcathene Drip Cup	1	1
Twin Electrical Sockets	1	1
Gas	1	1
Water	1	1

MADE IN IRELAND PREMIUM QUALITY

CHEMFLOW PROCESS AUTOMATION
CASE STUDY

- In 2018 CSC was tasked with modernizing an Industrial diamond process by our customer. The criteria we were given was to automate as much as possible the cleaning and polishing and cleaning diamond tips by using baths of 37 % pure Hydrochloric acid.

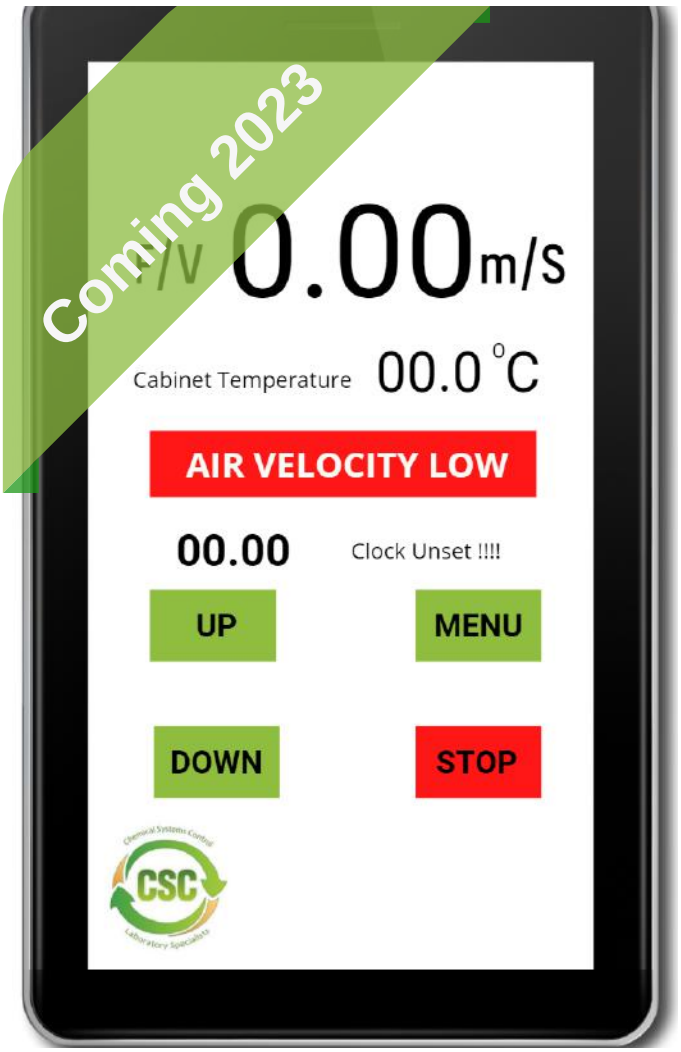
- The process prior to this involved operators handling boiling jars of HCL and emptying them down a sink several times a day. The diamonds would then need to be washed manually before being boiled again in fresh jars of HCL. This process also created large amounts of hazardous fumes that the operators needed to be protected from inhaling.

- The solution that CSC designed and constructed contained the following features. A specially designed fume cupboard to contain any fumes produced. An Inbuilt water-based fume scrubber to filter the acid fumes from being emitted into the atmosphere. A neutralization process to treat the scrubbing water with caustic and DI water to allow the process water to be dumped to drain with PH7 is restored to the water. 8 PVDF baths fitted with acid-proof heating elements which controlled the temperature of the HCL +- 0.5degree C, auto drain auto-refill, and auto rinsing of the diamond pieces.

The only operator interactions with the process now are loading the diamond parts into a dry empty sink and pressing the start button on the control panel. The management and staff were also very happy with the outcome. We have completed many of this style of project were cleaning, leaching pacification, and anodizing of metal or diamond parts is required to be carried out with highly dangerous and or boiling acids.

The finished product is entirely non-corrosive, performs excellent fume containment and with the use of interlocks and level and temperature control provides an excellent level of safety for the operator the products, and the environment.

CHEMFLOW
NEW AIRFLOW MONITOR



**Concept design*

FEATURES:

- Master Control & Indicator Module
- Air Velocity Sensor
- Sash Control Module
- Passive Infra-Red Detector
- Personnel Detector
- BMS Output Module
- Digital Display
- Automatic On/Off Switch
- Sash Control
- Passive Infra-Red Detector
- Temperature Sensor
- Time & Date
- Built-in Audible and Visual Alarm
- Readable Log
- User Friendly
- Easy Programming Access at Front of Fume Cupboard
- Designed and manufactured in Ireland
- 12 Months Warranty

CSC ModBus AirFlow Sensor.

Airflow through the fume cupboard is measured by a thermal anemometer. A custom-designed, platinum on ceramic sensor element is heated to a fixed temperature, above ambient, and placed in the airstream. Airflow past the sensor tends to cool the element. An electronic bridge circuit acts to restore the temperature to the fixed value. The rate at which heat is removed from the sensor element is directly related to the velocity of the airflow. The power required to maintain the element temperature constant is measured. This measurement is processed, calibrated, and output on the ModBus for use by BMS systems.

Our ability to custom build our fume cupboards means we can manufacture bespoke sizes up to 3000 wide x 2500 deep x 3500 high, ideal for specialized drug manufacturing processes.

CHEMFLOW ENHANCEMENTS

Chemical Systems Control
CSC
Laboratory Specialists

FUME CUPBOARD ENHANCEMENTS
ECOFLOW ENERGY SAVE

CSC's research and development team has developed an energy-efficient feature that can be installed on any of our Fume Cupboards. EcoFlow is designed to reduce energy consumption by approx. 51%.*

The ChemFlow air velocity monitor reads the air velocity entering the fume cupboard to within 1% accuracy. It communicates this data by means of a 2-10 volt signal to the actuator on the motorized damper. The actuator responds to this information by modulating the damper to the position corresponding to the voltage signal level.

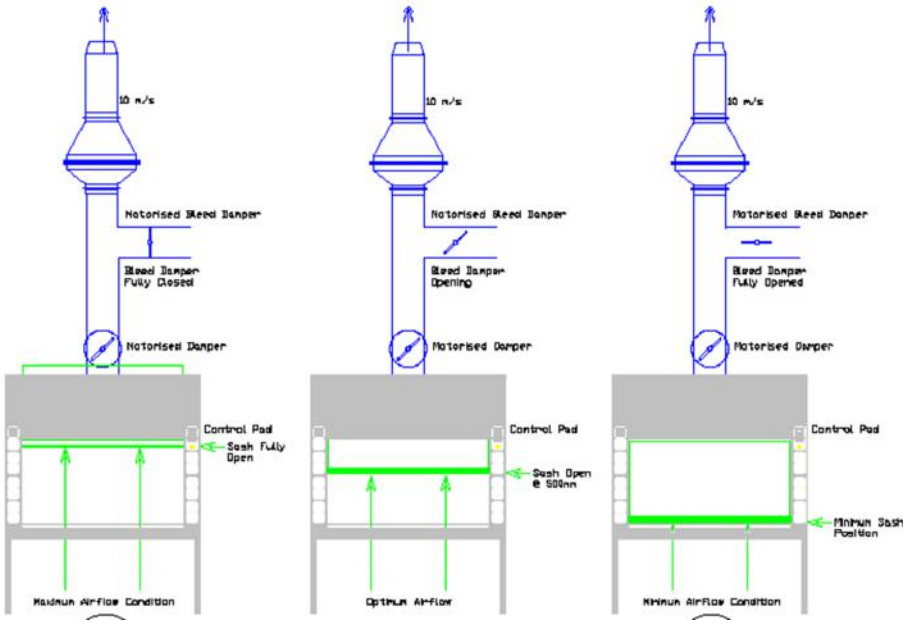
The airflow monitor has a pre-set target velocity typically 0.5m/sec. When the sash is raised or lowered the ChemFlow monitor reads the changing velocity of the air passing through the sash opening.

The ChemFlow monitor sends a voltage signal to the actuator to adjust the damper to a position that corresponds to a velocity across the sash opening of the preset target velocity.

The requirement however for a minimum purge of air through the fume cupboard prevents the reduction of air through the fume cupboard from falling below 33% of its initial air volume.

MADE IN IRELAND PREMIUM QUALITY

FUME CUPBOARD ENHANCEMENTS
ECOFLOW ENERGY SAVE



This initial volume is calculated as being the volume through the fume cupboard at a sash opening of 0.5m at a velocity of 0.5m/sec by the internal width of the fume cupboard. I.e. 0.5x0.5x internal width of the fume cupboard. The minimum volume, therefore, is 0.33x0.5x0.5 internal width of the fume cupboard.

The Chemflow monitor prevents the volume from going below the minimum required by pre-setting a minimum volume within the tracking program. This ensures that the containment and purge levels of the fume cupboards are maintained at a safe operating level at all times.

The energy cost saving in operating this system is dependent on the vigilance of the operator in lowering the sash to its minimum position when the fume cupboard is in operation as best practice advises. The energy savings can be further improved by the use of an automatic sash operating system.

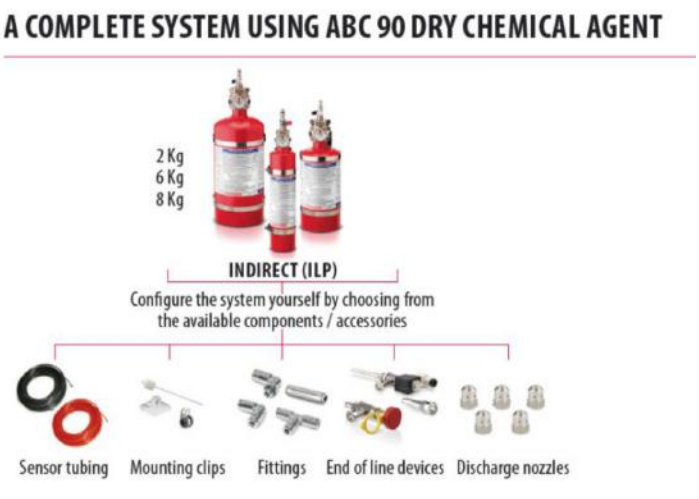
This system uses a PIR indicator to detect movement in the fume cupboard work area. If no movement is detected after a pre-set period of time (3 minutes) the sash will automatically close and the fume cupboard extract will set back to its minimum volume condition.

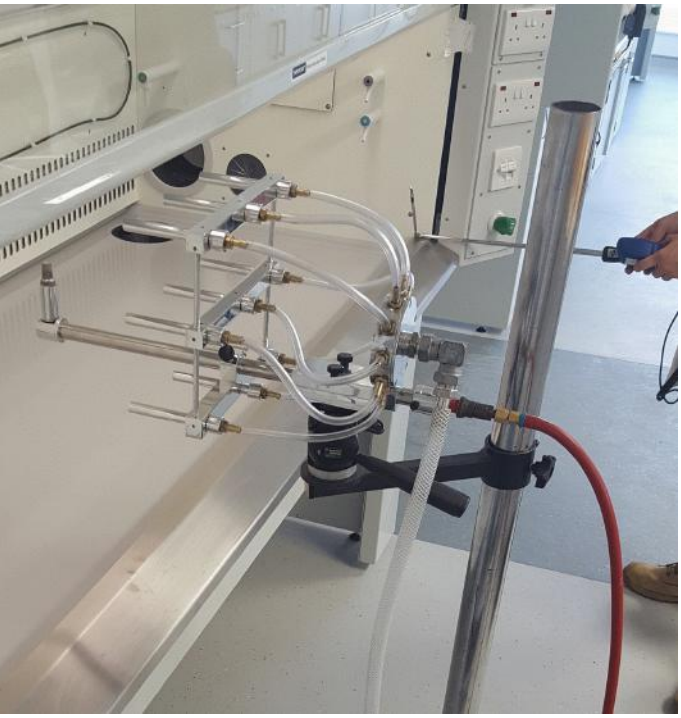
FUME CUPBOARD ENHANCEMENTS
FIRE SUPPRESSION

FUME CUPBOARD ENHANCEMENTS
FIRE SUPPRESSION

CSC's fire suppression system brings the ultimate fire prevention feature to our range of fume cupboards. Using a proprietary continuous linear sensor tube, the FireDetec system reliably detects and actuates the release of the extinguishing agent using pneumatic technology. It is more flexible, space-efficient, and cost-effective than alternative mechanical or electronic systems.

- Quick & easy installation directly inside the Fume Cupboards: The flexible sensor tubing is easily installed inside the enclosure - directly above the working area where a fire could start. When in service, the tubing is pressurized with dry nitrogen to 16 bar. The dynamics of pressurization make the tubing more reactive to heat.
- Quick detection: If a flame-up occurs, the heat of the fire causes the pressurized sensor tube to burst at the hottest spot (approx. 110°C)
- Quick suppression: The sudden tube depressurization actuates the special pressure differential valve and instantly floods the entire cabinet area with ABC 90 dry chemical within 60 seconds. The fire is quickly suppressed just moments after it begins, minimizing damage and downtime.
- Retrofitting: The FireDETEC can be retrofitted to existing fume cupboards.





FUME CUPBOARD RANGE

CHEMFLOW SERVICING

A huge priority in any laboratory is the safety of its employees. Regular servicing and calibration of laboratory equipment is essential to maintain efficiency. It is important that full safety checks and preventative maintenance is carried out to fume cupboards as often as deemed necessary. By its very definition, a fume cupboard is a protective environment, safeguarding the user and their surroundings.

Regular checks and servicing ensure the efficiency of a Fume Cupboard. The main function of any Fume Cupboard is to provide a safe working environment, ensuring maximum efficiency whilst providing a safe, noise-tolerant environment for the operator as they work. Regular checks, servicing, and calibration is recommended for Fume Cupboards to ensure continued operator and laboratory safety. Failure to do so increases the risk of accidental injuries and equipment failures. Well-maintained Fume Cupboards will work more efficiently and the lifespan of the unit will be extended.

CSC provides equipment maintenance & servicing for a wide range of laboratory equipment:

- All types of Fume cupboards
- Biological Safety Cabinets
- Chemical Storage Units
- LEV Arms
- Extraction Systems

We also provide additional services such as:

- Commissioning of new or modified fume cupboards
- Fume Cupboard airflow monitor & controller calibration
- Face and duct velocity testing
- Fume extract fan belt replacement and re-tensioning
- Fume cupboard filter disposal and replacement
- Rebalancing of fume extract systems
- Fume cupboard alterations and repairs
- Preventative Maintenance Agreements
- Containment Testing SF6

Fume Cupboard manufactured and installed by CSC with fire suppression and single door solvent storage

EXFLOW EXTRACTION

EX FLOW

The options for extraction ducting are PVC, PPs, and Stainless steel, circular or rectangular in shape. While a rectangular duct can be a space saver it will also be much more expensive as it would need to be fabricated, while the round duct is generally available off the shelf in most sizes. The most commonly used material is PVC due to its chemical resistance properties. PPS can be used where the duct is exhausting high-temperature fumes (between 60° and 100° degrees Celcius) as it has better temperature resistance but similar chemical resistance to PVC.

Stainless Steel has the least corrosion-resistant properties but the highest fire and heat resistance. The cost of this is huge in comparison to both PPs and PVC.

CSC manufactures an extensive range of customized ductwork using quality PVC & PPs materials. We also carry a wide range of Hoka and Deka products. These include:

PVC Fittings Duct

- Collars
- Reducers
- 45°/90° Bends
- Dampers
- Saddles
- Flange
- And More.....

PPs Fittings Duct

- Collars
- Reducers
- 45°/90° Bends
- Damper
- Saddles
- Flange
- And More.....

We also provide a wide range of chemically resistant fans manufactured from Polypropylene and PVC. Our range can accommodate volumes up to up to 3417 m^3/hr +.

LAB FLOW

Chemical Systems Control
CSC
Laboratory Specialists

LAB FURNITURE RANGE

LAB FLOW

The success of our LabFlow Laboratory furniture has been remarkable. Our reputation is built on our high-quality products which we tailor to our client's individual requirements. Our dedication to quality ensures that we only select the best material available from around the world.

With expertise in custom-designed laboratory solutions and a range that includes laminate and stainless steel furniture, CSC is the expert in high-quality laboratory design and installation.

As different laboratories have different requirements, whether pharmacy, computer, chemistry, or bioscience, CSC has designed and developed a Laminate range to provide a flexible and adaptable laboratory system.

Available in fixed, suspended, and mobile options, careful attention to detail and an understanding of the requirements of users in situations with perimeter and peninsular layouts and including various re-agent shelves, ensures that CSC maintains a leading position in laboratory design and installation.

Our dedication to quality is proven in our choice of materials. The LabFlow worktop is made from Trespa TopLab Plus. Made specifically for use in laboratory furniture, Trespa TopLabPLUS combines high aesthetics with top performance in quality, safety, and hygiene.

Trespa TopLabPLUS is used extensively for laboratory worktops where the material should not influence the outcome of experiments and/or work in progress.

Trespa TopLabPLUS looks good and stays looking good due to its chemical resistance whilst offering the highest possible standards of hygiene, strength, and durability as well as environmentally sustainable properties. CSC also offers epoxy resin options as part
of our bespoke range.

LABFLOW WORKTOPS

Trespa® TopLab® products can be found in numerous laboratory and cleanroom projects in pharmaceutical, chemical, and industrial companies, as well as in hospitals, research centres, and universities all over the world. Trespa® TopLab® offers a range of classic, modern and trendsetting colours and is available in several thicknesses and sizes. The homogenous panels can be machined in the same way as high-quality hardwoods, making them easy to customize and install. TopLab® panels are available in large sizes, reducing unhygienic seams to a minimum.

TESTING, CERTIFICATION, AND BRANCH ASSOCIATIONS Trespa® products for scientific surface solutions are tested and certified according to international standards in relation to chemical resistance, low emission, food contact, and other properties. TopLab®PLUS is e certified under the GREENGUARD Gold Certification program and ISEGA Certification program.

LABFLOW CUPBOARDS & DRAWERS

Our range of MDF storage cabinets are designed to the highest standards. Each unit is custom-built to the clients' specifications.

The carcass is built from high-quality 18mm melamine face MDF with a 2mm PVC on all exposed edging.

Doors are fixed with high-quality 165° hinges. Customers can choose from a selection of high-quality handles in a variety of styles, shapes, and colours.

Wall-mounted cabinets are built from high-quality 18mm melamine face MDF with 2mm PVC edging. Doors to have a glass insert panel.

LABFLOW EPOXY RESIN SINKS & DRAINS

CSC offers a range of sink tops in various sizes and configurations. Fully moulded sink tops have integral sinks and drainers providing seamless performance. Sink tops can also be fabricated to suit a non-standard size or configuration.

Single Drainer Sink tops

These sink tops feature a worktop, sink and sloping drainer moulded as a single seamless section. Sink tops from this range incorporate a ribbed drainer area that slopes to an integrally moulded sink bowl. The units are cast oversize and then cut to the required size and configuration, from a minimum of 900 x 600 mm up to a maximum of 1500 x 900 mm and at any size in between.

Double Drainer Sink tops

These sink tops are moulded as homogeneous items and as such are totally seamless. Sink tops include an integrally moulded central sink bowl, sloping drainers to both sides and moulded edging. A flat area is provided to the rear of the sink on which to mount any taps required. It is possible to cut and re-edge the sink units to give a reduced width.

LABFLOW ACID STORAGE

The LabFlow UnderBench Acid Storage unit provides safe and approved storage of corrosive chemicals. Our cabinets are manufactured from PVC light grey RAL 7035 with an extract air inlet to the rear of the unit. The cabinet is designed with 170-degree Wing Doors making the interior fully visible. Our standard cabinet comes with 1 no. Shelf, 1 no. Spillage pump, and 1 no. Perforated Plate Insert. The approx. cabinet weight is 100kg. This item is a bespoke product. Contact our design team for more options.

- Corrosion Resistant PVC
- High-Quality Material
- Shelf Load Capacity Approx. 30kg
- Non-Metallic / Corrosive Free
- Customized Product
- 1 Year Warranty
- Manufactured in Ireland

GO FLOW

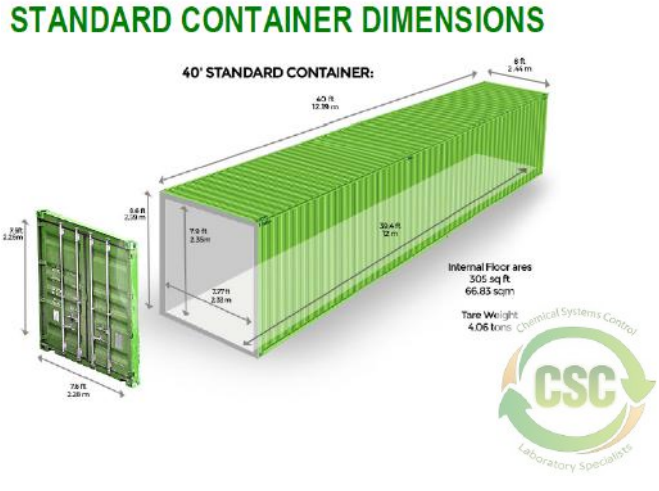
Chemical Systems Control
CSC
Laboratory Specialists

GO FLOW

CSC brings mobile labs to a new standard with the GoFlow turnkey solution.

Our new portable modular lab containers are an ideal solution. Designed to provide additional space, allowing clients to expand their labs quickly, safely, and cost-effectively. The design can be tailored to suit clients' specifications and industry.

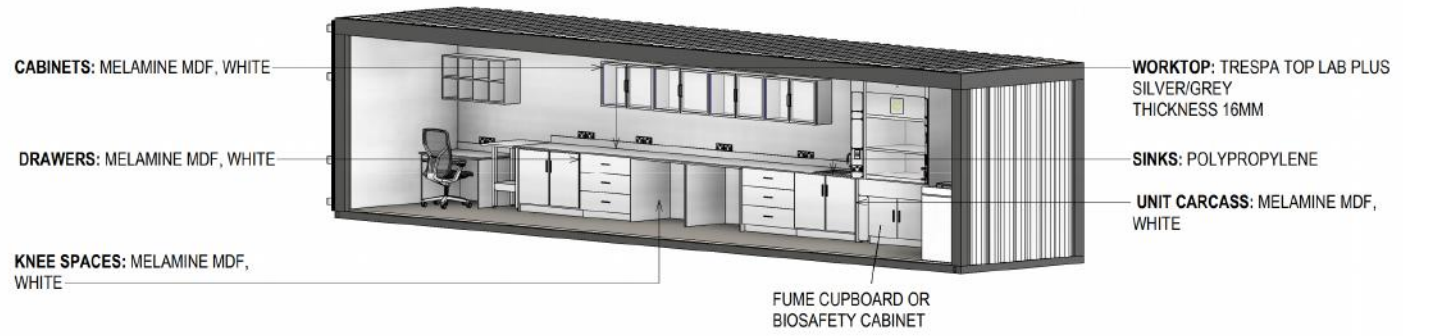
These versatile units are pre-plumbed and pre-wired allowing for fast installation and connection to local services.

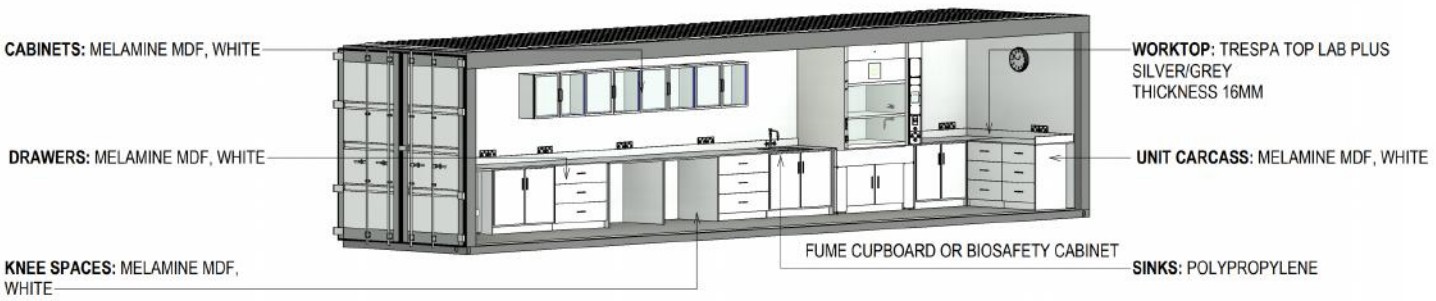


PORTABLE LAB CONTAINER SOLUTIONS
GOFLOW LAB

Our dedication to quality is proven in our choice of materials. The LabFlow worktop is made from chemical-resistant Trespa TopLab Plus. Made specifically for use in laboratory furniture, Trespa TopLab PLUS combines high aesthetics with top performance in quality, safety, and hygiene.

Trespa TopLab PLUS is used extensively for laboratory worktops where the material should not influence the outcome of experiments and/or working progress. Trespa TopLab PLUS looks good and stays looking good whilst offering the highest possible standards of hygiene, strength and durability as well as environmentally sustainable properties.





CHEMICAL STORAGE

Chemical Systems Control
CSC
Laboratory Specialists

SOLVENT STORAGE

UNDERBENCH STORAGE

Our under-bench solvent units provide safe and approved storage of hazardous materials in workrooms. The large door opening angle (135 degrees) makes the removal or storage of containers convenient and safe. The outer shell is made of sheet steel. The unit features lockable doors and a spigot for extraction at the back (outer diameter 75 mm).

- Convenient handling – doors can be opened with minimal effort
- Safe access to all containers – the interior of the cabinet is completely visible, 135° opening of the wing doors
- Convenient – doors remain open in any position
- Safety – door(s) are self-closing in the event of a fire
- No unauthorized use – doors are lockable with cylinder locking and locking state indicator (red/green)
- Flexible and mobile – optionally castors with plinth
- Integrated air ducts ready for connection (NW 75)
- Maximized interior height
- Furnace tested (type test) in accordance with EN 14470-1
- Fire resistance 90 minutes
- GS approval, CE conformity

SOLVENT STORAGE

TALL STORAGE

Our tall solvent units provide safe and approved storage of hazardous materials in workrooms. Certified to both EN 14470-1 and EN 14727 ratings, these units come standard with a 5yr warranty. We carry a wide variety of models and sizes; the models below are our most popular.

- Corrosion-protected assembly of safety elements
- Air damped door closing, door open arrest system (optional)
- GS-approved with 50,000 non-wearing open-close cycles
- Integrated air ducts ready for connection (NW75) to a technical exhaust system
- Protection against unauthorized use of lockable doors with cylinder lock
- Ideal for the storage of flammable, aggressive hazardous substances
- Tray shelves with chemical resistant surface lamination and removable sump made of PE
- Bottom collecting sump made of PE Drawers
- High storage capacity
- Furnace tested (type test) in accordance with EN 14470-1
- Fire resistance 90 minutes
- GS approval, CE conformity

ION-LINE
SAFETY STORAGE

ION-CHARGE-90

ION-STORE-90

ION-CHARGE-90 Range

In active storage, lithium-ion batteries or battery packs are charged in a cabinet with a charger or partially discharged (60 - 70%). Heat is generated when a lithium-ion battery charges. If this heat output is too high, a fire may occur, for instance, if the lithium battery, the charger, or the connection cable is defective. Another major danger is the risk of thermal runaway of lithium-ion batteries, for instance, caused by internal short circuits.

CONCLUSION: *The risk increases when lithium-ion batteries are left unattended to charge outside of work hours. We recommend active storage in the Asecos BATTERY CHARGE safety storage cabinets.*

ION-STORE-90 Range

In passive storage, new or used lithium-ion batteries are stored over a certain time period.

TIP: *We recommend that new and used lithium-ion batteries are stored separately (different storage levels) in the BATTERY STORE or BATTERY STORE PRO safety storage cabinets.*

ION STORE

ASECOS LITHIUM-ION BATTERY STORAGE PRO CABINET (1.2M)

Safe passive storage of lithium-ion batteries Function/construction:

- Robust construction and longevity: triple hinged door, safety elements assembled outside the storage compartment for increased protection against corrosion, scratch- and impact-resistant surface, easy to clean
- Easy handling with comfort: smooth doors with permanent self-closing function and oil-dampened door closer; open doors with a minimum amount of force
- No unauthorized use: doors lockable with cylinder locking (integration in an existing locking system possible) and locking state indicator (red/green)
- Easy transport: integrated transport base with removable, optional base cover
- Easy alignment: adjusting aids to compensate for uneven floor
- Ventilation: integrated air ducts ready for connection (DN 75) to a technical exhaust system, spinning wheel in the exhaust grid as an indicator of sufficient technical ventilation
- All-around protection: 90-minute fire protection from outside to inside (type 90 / type tested in accordance with EN 14470-1) and for more than 90 minutes of fire resistance for fires from inside to outside

ASECOS STORAGE

ION CHARGE

ASECOS LITHIUM-ION BATTERY CHARGE CABINET (1.2M)

Safe passive storage of lithium-ion batteries with an integrated 3-stage warning and fire suppression system. Function / construction:

- Robust construction and longevity: triple hinged door, safety elements assembled outside the storage compartment for increased protection against corrosion, scratch- and impact-resistant surface, easy to clean
- Easy handling with comfort: smooth doors with permanent self-closing function and oil-dampened door closer; open doors with a minimum amount of force
- No unauthorized use: doors lockable with cylinder locking (integration in an existing locking system possible) and locking state indicator (red/green)
- Easy transport: integrated transport base with removable, optional base cover
- Easy alignment: adjusting aids to compensate for uneven floor
- Ventilation: integrated air ducts ready for connection (DN 75) to a technical exhaust system, spinning wheel in the exhaust grid as an indicator of sufficient technical ventilation
- All-around protection: 90-minute fire protection from outside to inside (type 90 / type tested in accordance with EN 14470-1) and for more than 90 minutes of fire resistance for fires from inside to outside
- Safe storage and charging: installed 3-stage warning and fire suppression system including smoke detector, temperature sensor, visual and acoustic alarms, and fire suppression unit; triggers automatically in case of a fire; plug-in ready for connection to the mains supply

ACID STORAGE

The LabFlow UnderBench Acid Storage unit provides safe and approved storage of corrosive chemicals. Our cabinets are manufactured from PVC light grey RAL 7035 with an extract air inlet to the rear of the unit. The cabinet is designed with 170-degree Wing Doors making the interior fully visible. Our standard cabinet comes with 1 no. Shelf, 1 no. Spillage pump, and 1 no. Perforated Plate Insert. The approx. cabinet weight is 100kg. This item is a bespoke product. Contact our design team for more options.

- Corrosion Resistant PVC
- High-Quality Material
- Shelf Load Capacity Approx. 30kg
- Non-Metallic / Corrosive Free
- Customized Product
- 1 Year Warranty
- Manufactured in Ireland

BIOSAFETY CABINETS

LAMINAR FLOW

The airflow in the Bio II is completely recycled through the perforated grills around the work surface and the operator protection is made by air streaming in front of the work surface: about 30% of the airflow is thrown through a second HEPA filter.

FEATURES

- Easy start-up
- Painted epoxy steel frame
- Perforated Stainless Steel Work Surface (304L) / 3 elements
- Removable front grill
- Reclining front window
- HEPA Filter H14 (with laminator)
- Electrical Plug on the right side
- Easy Maintenance By Front Access
- ECM Fan - Automatic Regulation
- Low sound level
- LCD screen (velocity, clogging state, alarms display)
- In Accordance with EN 12469.

	BIO II 9 *(3ft)*		BIO II 12 *(4ft)*	
Dimensions (mm)	**Effective**	**Overall**	**Effective**	**Overall**
Width	919	922	1226	1229
Height	Max: 500	1080	Max: 500	1080
Dept.	495	640	495	640
Weight (kg)	120		150	
Power (w)	1500			
Front Aperture	Closed: 183 Open: 405		Closed: 183 Open: 405	
Overall Height on standard bench: 1890mm				

LAMINAR FLOW

The Optigel laminar airflow prevents cross-contamination. The new design provides maximum user space and comfort. Its horizontal flow of air enables the fitting of extra shelves inside the cabinet without obstructing the flow. The cabinet is equipped with a gel sealant system that enables faster and safer changing of the main filter. The CPT digital panel provides full data and control over cabinet features.

The Optigel provides a clean air working area class 100 (ISO 5). The air is constantly blown horizontally through a HEPA filter into the working area to protect the product. The Optigel has a DC motor with ECM technology: Energy consumption reduction of 40%.

Protecting the User, Product & Environment

FEATURES

- Digital display control showing air velocity, inside pressure, and working fan condition
- ECM Fan technology is designed to compensate automatically for filter clogging. Consuming 30-40% less electricity
- Greater efficiency with 3 separate filters (EN-1822)
- Aluminum framed HEPA filter, efficiency H-14 (99.995%)
- Extra sterility after utilization to a level of ISO -5
- In Accordance with ISO 14644

	OPTIGEL 9		OPTIGEL 12		OPTIGEL 18	
Dimensions (mm)	Internal	Overall	Internal	Overall	Internal	Overall
Height	920	925	1225	1250	1820	1840
Width	Internal: 550 Overall: 813					
Depth	Internal: 550 Overall: 911					
Weight (kg)	1740					
Height on Stand	80		100		150	

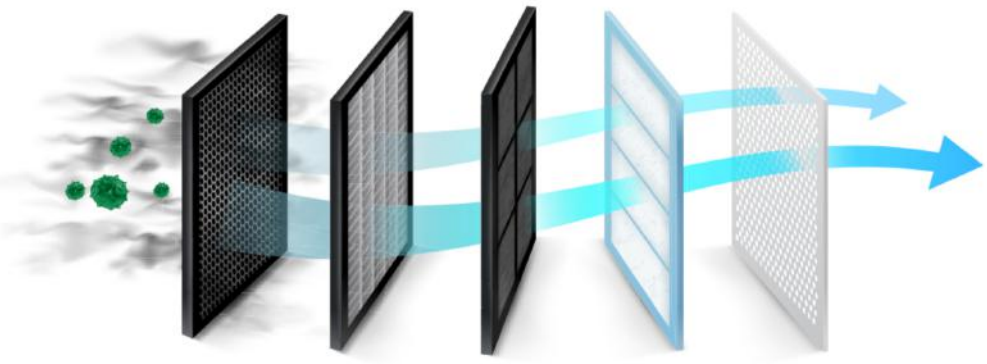
FLOW AIR FILTERS

FLOW AIR FILTERS

HEPA air filters work similar to other air filters, the main difference is their higher level of air purification. HEPA stands for "**H**igh-**E**fficiency **P**articulate **A**ir" and is technically a category of air filter based on the size of particulate media and the percentage of particles that can be removed from the air when passing through the filter.

A true HEPA filter can remove at least 99.7% of particles that are 0.3 microns in size or larger. Our range of Flow Air filters can achieve up to 99.999% efficiency. They can be customized with a choice of **Grid, Frame, Sealant, and Efficiency** level. These filters include:

- **Rigid Pocket Filter**: The FPR is available in different efficiency rates: 65%, 85%, 95%, and 98% on dust spot efficiency and 96% on DOP efficiency
- **"DH" Filter**: The mini-pleat micro fiber glass media has efficiency from H10 (DOP efficiency: 96% @ 0.3 µm) to H14 (DOP efficiency: 99.995% @ 0.3 µm)
- **M Filter**: The Micro Fiber Glass media is in accordance with efficiency standards H13 to U17 (DOP efficiency 99.999%)
- **Jet Filter**: These filters are tested in accordance with the most updated international standards the ISO 9001, US standard UL 900, and international standard EN 1822 (DOP efficiency 99.999%)



AIR PURIFIER

AIR PURIFIER

ASECOS PURIFIAIR.488

The Asecos PURIFIAIR.488 can be used to reduce pollutant levels in indoor atmospheres.

- Fresh air must be supplied to the rooms via natural or technical ventilation.
- Removes mould spores, pollen and allergens eliminates germs and bacteria and neutralizes them.
- Continuously filters out fine dust particles.
- Removes unpleasant odours and harmful gases from indoor atmospheres.
- The PURIFIAIR.488 can handle a volume flow rate of up to 488 m³/h (8 operating hours) and is designed for approx. 80 m³ room volume (corresponding to a surface area of 32 m² at a room height of 2.5 m). A larger number of devices should be used in larger rooms. Our Sales team is happy to help determine the optimal number of air purifiers for a specific application.
- The built-in PM2.5 sensor and colour display allow users to quickly identify and easily read off the particle concentration in the indoor atmosphere in four levels (green/low to red/high concentration).
- PURIFIAIR.488 stand out for their high-quality materials and robust construction. Large filter units ensure long service life.
- The purifiers have low energy requirements, resulting in low usage costs.
- Integrated humidification for a healthy and comfortable indoor climate.

AIR PURIFIER

ASECOS PURIFIAIR.620

Using an Asecos PURIFIAIR.620 can significantly reduce viral loads and pollution in indoor areas. Fresh air must be supplied to the rooms via natural or technical ventilation.

The PURIFIAIR.620 offers the following advantages:

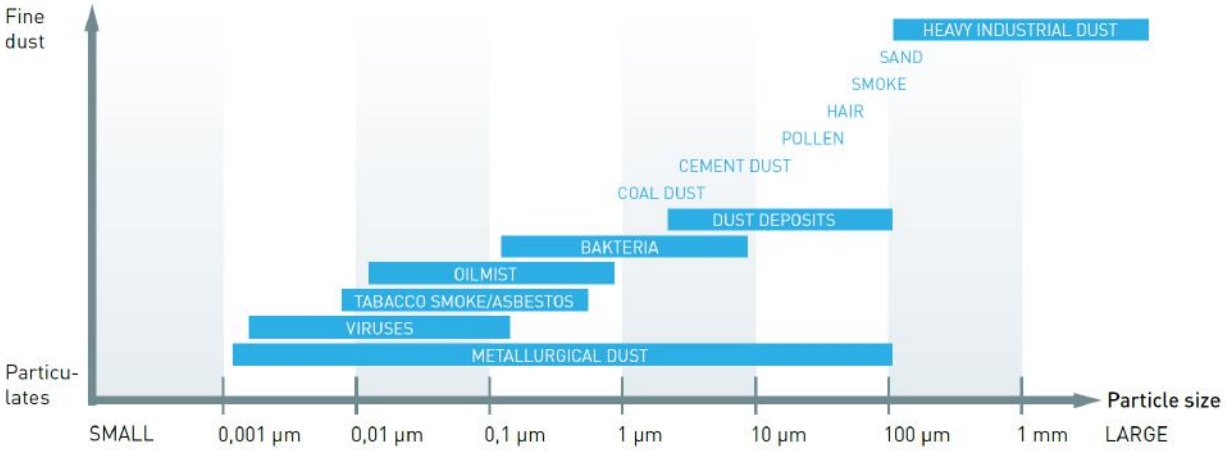
- The mobile design allows the purifier to be used flexibly in different areas of the building.
- The built-in PM1.0 sensor and colour display allow users to quickly identify and easily read off the particle concentration in the indoor atmosphere in four levels (green/low to red/high concentration).
- PURIFIAIR.620 stand out for their high-quality materials and robust design.
- Large filter units ensure long service life. The purifiers have low energy requirements, resulting in low usage costs.
- Every PURIFIAIR.620 handles a volume flow rate of 180 to 620 m³/h (5 operating levels) and is suitable for approx. 100 m³ room volume (corresponding to a surface area of 40 m² and a room height of 2.5 m). A larger number of devices should be used in larger rooms. Our Sales team is happy to help determine the optimal number of air purifiers for a specific application.
- The built-in combination of pre-filters, a combi filter, and a H14 HEPA filter in accordance with EN 1822 has an efficiency of up to 99.995 % while keeping out particles from 0.1 to 0.3 µm in size.
- H14 HEPA filters are used in areas where protection against infection plays a key role.
- Removes mould spores, pollen and allergens halts germs and bacteria and neutralizes them
- Removes unpleasant odours and harmful gases from indoor air
- Continuous filtration of fine dust particles

FILTRATION

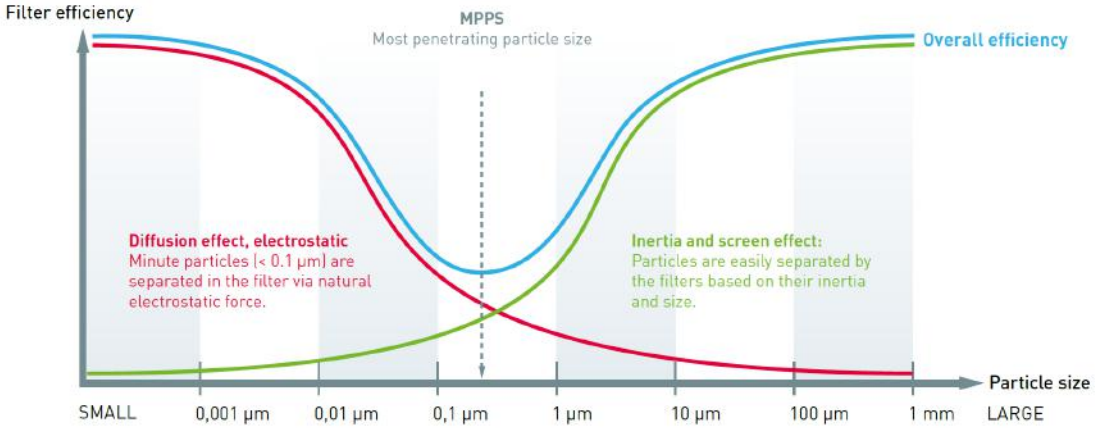
AIR PURIFIER

To use air purifiers to remove fine dust and particulates from the atmosphere, the correct filter must be used for the type and size of particles in question. How do fine dusts and particulates differ, and what kinds of filters can be used to clean dirty indoor air? This information will help you find answers to these questions. If you have further technical questions on basic filter technology, our experts will be happy to help.

Airborne particles come in different sizes:



Basic filter technology principles



The most critical particles have a diameter of approx. 0.3 µm and are the most difficult to remove (technical term MPPS = Most Penetrating Particle Size). The MPPS serves as the basis for defining the efficiency of particle filters.

CLEAN ROOMS

FURNITURE

CLEAN ROOM

The SBM, modular cleanroom, is the answer to growing demand from industrialists and research laboratories. The major advantage is to improve air quality without causing modifications to existing infrastructure.

CSC is able to custom produce, non-standard material and has got a professional technical team to support and help customers throughout their project.

Based on a reproducible design and precise factory preparation, the modular solution can represent, for certain project configurations, the effective alternative in terms of control (deadlines, cost, compliance) and technology by its ability to integrate and evolve.

CONSTRUCTION

The structure is assembled with aluminum profiles. Each project is studied by our engineers from the design office to guarantee rigidity, ease of assembly, and modularity. Projects are followed by our design and sales support team from start to finish.

PRINCIPLE

The entire work area is swept by filtered and/or sterile air. This airflow produced, thanks to its flow speed, an overpressure in relation to the ambient environment and creates a barrier to external particles.

BENEFITS:

- Made to measure
- Capacity for improvement and modularity
- Value for money
- Completion time
- Low maintenance cost
- Does not require upstream work

Whatever the activity sectors, the quality required for the sizing of a cleanroom can only be obtained by the analysis and synthesis of technical means, in terms of the design of these areas and their future maintenance. Understanding and solving the problems posed requires an in-depth study of all the areas of contamination, whether from the inside or the inside. The study carried out takes into account production factors according to the user needs and will lead to the optimization of an architecturally designed cleanroom of which one of the main components will be the aeraulic system necessary, among other things, to the mechanism for removing contaminants from the air but also generated by:

• Human beings **• Animals** **• Equipment** **• Materials** **• Process**

LEV ARMS

LEV ARMS

The ideal extractor for laboratory environments.

The unique joint design of the Movex ME results in a very low-pressure drop, which produces many valuable benefits:

- Energy-saving
- Lower noise levels
- Less risk of disruptive ventilation noise
- Low-pressure drop without having to use a larger dimension system
- Easy to combine with other extractors in the same ventilation system

With its uniquely designed joint construction, the Movex ME combines maximum flexibility with low-pressure drop. The air passes through the joints without creating unnecessary turbulence, thus producing an energy-saving low-pressure drop and a quieter working environment.

The Movex ME has a complete range of accessories to suit every situation, enabling you to create the optimal extractor for the evacuation of hazardous airborne gases and particulates.

The standard version is suitable for extracting most types of airborne pollutants in:

- Laboratories
- Schools, universities
- Hospitals
- The pharmaceutical industry
- Hairdressing salons
- The electronics industry

NAVAILLES SEATING

FURNITURE

NAVAILLES SEATING

At CSC, we consistently use high-quality materials in the manufacturing of our product range. With that in the partners Navailles to supply world-class seating to our clients. Navailles is a specialist in laboratory chairs. Our products are designed to meet the advanced requirements of the sector: they comply with both French and European ISO class 3 standards to meet the challenges of clean rooms (antistatic) and adapt to the specific applications of laboratories.

Laboratory chairs

In terms of ergonomics and team comfort, we know that a laboratory is a special working environment: our chairs are designed to offer an optimal posture at your workstation. They are height-adjustable to suit the dimensions of the bench. Our stools can be equipped with a backrest for better lumbar support and a footrest to improve blood circulation. This prevents backache, muscle pain, and migraines.

Compact seating

Compliance with health and safety standards in laboratories and research units are essential conditions for high-quality work. All our laboratory chairs are specially designed to meet the specific uses of workstations in this sector. Our ergonomic chairs are compact and easy to use. They promote a dynamic posture to limit the risk of musculoskeletal disorders (MSD), optimize comfort, and participate in the development of your teams.

Seats to 'clean room'

Our range of cleanroom chairs are designed to meet the specific regulations and constraints of these areas. Tests were carried out according to the requirements of NF EN ISO 14644-14. They have shown that the relevant seat models are suitable for use in ISO class 3 clean rooms.

NAVAILLES SEATING

Laboratory
Ginkgo eco stool with backrest

Laboratory
Ginko eco Stool

Laboratory
Ginko comfort stool with backrest

Laboratory
Ginko comfort stool

Laboratory
WOODEN STOOL WITH CHROME LEGS

Laboratory
PVC STOOL WITH CHROME LEGS

Laboratory
POLYURETHANE STOOL WITH CHROME LEGS

Laboratory
POLYURETHANE SEMI-SEATED WITH CHROME FEET

Laboratory
ADJUSTABLE WOODEN CHAIR WITH CHROME LEGS

Laboratory
PVC WIDE CHAIR WITH POLYAMIDE FEET

Laboratory
ADJUSTABLE POLYURETHANE CHAIR WITH CHROME LEGS

Laboratory
ASYNCHRONOUS WIDE PVC CHAIR

NAVAILLES SEATING

Laboratory
KONCEPT OFFICE PVC URBAN

Laboratory
KONCEPT PVC ESD / INOX 316 L

Laboratory
KONCEPT PVC ESD

Laboratory
KONCEPT POLYURETHANE

Laboratory
SADDLE

Laboratory
SIT-UP

Cleanroom Seating

Laboratory
SEAT STAINLESS STEEL 316L / POLYURETHANE ESD

Laboratory
KONCEPT POLYURETHANE ESD / INOX 316 L

Laboratory
KONCEPT POLYURETHANE ESD

COMPLETED PROJECTS

PROJECT TESTIMONIALS

“CSC carried out the laboratory services installation in APC Ltd in our R&D Facility in Cherrywood Business Park. The facility is over 2 floors and consists of 60,000sq.ft. of state-of-the-art laboratories and grade A office accommodation. Over 4 phases to date they demonstrated their credentials in the coordination process and this service was delivered by their in-house team of experienced & professional personnel. CSC resourced the project sufficiently with strong site management who were thoroughly professional, diligent, and trustworthy in their work ethic.

Their approach to the on-site aspect of their involvement was evident in their engineers producing high specification finishes to their work and also the high regard paid to the Health & Safety aspect of site working to themselves and others on site. The finished product exceeded the expectations of the project stakeholders and a snag-free installation is a testament to their internal quality management regime. The project was handed over on time and within budget to our complete satisfaction. I would highly recommend CSC for future work to any potential clients and I look forward to working with them again.”

APC, Facilities Supervisor


B10
B16

PROJECT TESTIMONIALS

"We recently fitted out a chemistry lab from scratch. CSC were able to provide a comprehensive package including fume hoods, local extraction ventilation systems (LEVS), benches, under-bench cabinets, sinks, safety showers, and chemical & flammable storage cabinets. Items were delivered and installed in a timely and professional manner. Bespoke items and designs were not a problem and good advice was readily available. CSC worked very effectively with the other contractors involved in the fit-out; any issues were dealt with promptly. We are delighted with the appearance and functionality of the finished lab. I would happily recommend CSC to anyone fitting out a lab."

Alan Ayling PhD
Laboratory Services Manager
Life Scientific

Lab Furniture manufactured and installed by CSC
LEV Arms Supplied & Fitted by CSC

SAMPLE CLIENT LIST

Our range of products are available to view by appointment. Many of our clients are happy to provide references or site visits upon request.

THE ULTIMATE

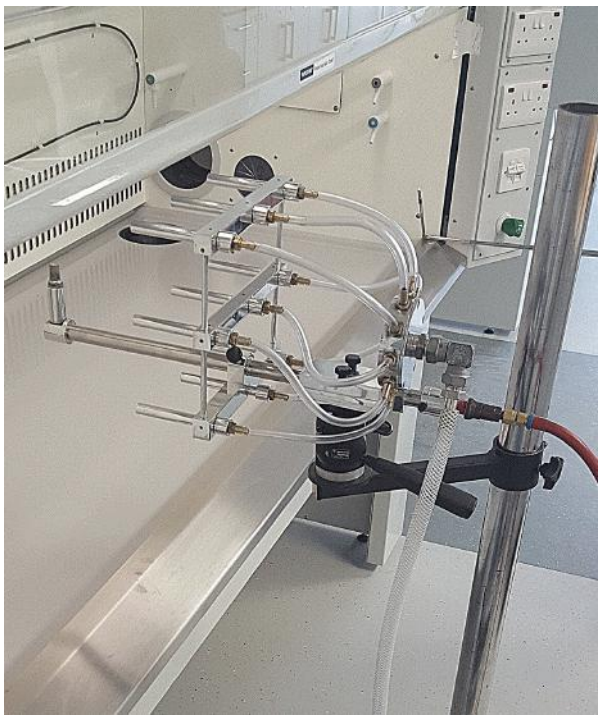
LABORATORY SPECIALIST

Address: 116 Ashbourne Industrial Estate
Ashbourne, Co. Meath, Ireland

Phone: +353 1 835 1311

Email: sales@csc.ie
service@csc.ie
accounts@csc.ie

Website: www.csc.ie



MADE IN IRELAND PREMIUM QUALITY

Chemical Systems Control CSC Laboratory Specialists