captair® filtair XL

Large size filtering enclosure for equipment and instrumentation

Strong Points

Compliant with CLASS II of the AFNOR NFX 15-211 standard

(reference standard for molecular filtration through superactivated carbon)

The 2 phases of the standard:

	Phase 1	Phase 2
	Normal operation	Detection time phase
	The filter adsorbs the quantities stated by the manufacturer (Chemical Listing)	The monitoring system detects filter saturation
Filtration efficiency	Filter effluent lower than 1% of the TLV / OEL	Maximum filter effluent 50% of the TLV / OEL

Test report from the LNE (National Test Laboratory) *available on request.*

Filtration principle
1 filtration level

- 1 molecular filter level
- 1 electrostatic pre-filter
- 1 phase transformer

(elimination of submicronic particles + aerosols, VF filter option)

Total operator protection

Filtration safety : all **captair® filtair** fume hood models are compliant with the AFNOR NFX 15-211 Class II standard.

Containment of chemical vapors in the filtering enclosure, guaranteed by monitoring of air face velocity and compliance with containment standards (XPX 15203, BS 7258, DIN 12927).

Sampling port allows operator to test the air emitted by the filter at any time through colorimetric tubes (tubes optional).

Acrylic front shield provides protection from accidental chemical spills (fire classification NFP.92.507).

Comfort and Ergonomics

Transparent angled front sash offers excellent visibility of the chemical handling.

Arm openings designed to allow the operator to easily maneuver within the entire perimeter of the enclosure.

Ports for the introduction of electrical or power cables into the enclosure.

Very low noise level (49 dBA).

Tempered glass work surface and spill tray may be removed for easy cleaning.

Easy installation / Energy savings

No duct work required; a standard electrical outlet is all that is necessary.

Can be installed directly on your lab bench or on our optional **mobicap**™ rolling carts.

Saves energy by recycling purified air rather than exhausting heated or cooled air within the laboratory.

■ Standard Equipment

Air flow meter
permanent air face velocity monitoring system.

Work surface - tempered
safety glass with spill retention tray.

Ergonomically designed
openings for safety and comfort.

Sampling port allows operator to test
the air emitted by the filter at any time through colorimetric chemical detection tubes *(tubes optional).*

Interactive Alarm
periodic reminder to perform filter saturation test..

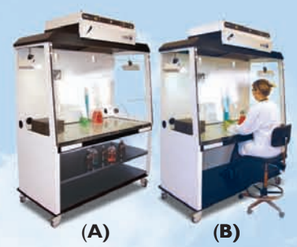
Energy Ports

Door opening

① **Central protective shield**

② **Front shield**
lifts completely to allow equipment and products to be placed within the enclosure.

■ Optional Equipment



(A) (B)

MOBICAP™ Rolling cart
equipped with a retractable internal shelf (A) making it possible to work in the a sitting position (B).

List of approved chemicals : Chemical Listing
in accordance with AFNOR NFX 15 211 standard.
Provides a guide to the 600+ chemicals for their retention capacity within the carbon filters and their method required to determine filter saturation.

Retractable shelves for note-taking

Clear back panel
For 360 degree visibility in the filtering enclosure. Ideal for educational demonstrations.

Adjustable for targeted lighting and may be attached to either side of the enclosure.

Securifilter™
Visual and audible alarm to detect filter saturation by hydrocarbons.

Two types of filters available

	TYPE MF	TYPE VF
	Gas or vapors with dust or fumes, without liquid aerosols.	Gas or vapors with dust or fumes with droplets vesicles and liquid aerosols
Organic vapors *(possibly acid)*	MF AS	VF AS
Acid vapors *(possibly organic)*	MF BE	VF BE
Formaldehyde	MF F	VF F
Ammonia	MF K	VF K
Radioactive iodine	MF G	VF G

Specifications

Tests and marking CE

Volume of air treated:	cfm
Average air face velocity:	fpm
Internal volume of the enclosure:	m^3
Total electrical output power consumption:	Watt
Maximum Amperage absorbed:	A
Noise level:	dB(A)

Models captair® filtair XL

filtair XL 1044

(mm) (in)	W	H	D
INT	919	1009	668
	36 3/16	39 3/4"	26 1/4"
EXT	999	1260	753
	48 1/2"	49 5/8"	29 5/8"

MF Filter	VF Filter
94,2	91,2
110	107
0.58	
47	
0.31	
49	

filtair XL 1344

(mm) (in)	W	H	D
INT	1234	1009	668
	48 1/2"	39 3/4"	26 1/4"
EXT	1314	1260	753
	51 3/4"	49 5/8"	29 5/8"

MF Filter	VF Filter
94,2	91,2
110	107
0.78	
47	
0.31	
49	

filtair XL 1646

(mm) (in)	W	H	D
INT	1519	1009	668
	59 7/8"	39 3/4"	26 1/4"
EXT	1599	1260	753
	63"	49 5/8"	29 5/8"

MF Filter	VF Filter
125,5	121
108,3	104,3
0.97	
94	
0.62	
51	

Non-contractual drawings, photos and technical data