

**captairflow****XLS 714F**High Efficiency Particulate Air filters H 14 filtered enclosure  
Effective protection products and/or samples

Operations in an ultra-clean, dust-free environment:

- Non-pathogenic cell cultures
- In-vitro cultures
- Microbiology (Non-pathogenic)

- Homeopathic preparations in pharmacies,
- Electronics
- Optics, etc.

**Technical specifications****Dimensions (mm)**

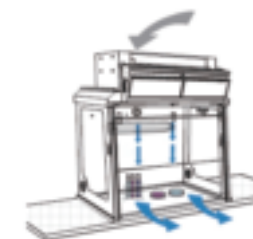
Ref.	External dimensions			Internal dimensions without work surface		
	Width	Depth	Height mini/maxi	Width	Depth	Height
XLS 714F	1820	750	1316-1400	1697	652	1013

**Structure**

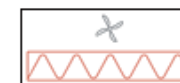
<b>Metallic parts</b>	Anti-corrosion steel coated with 100% polyester
<b>Front panels</b>	8 mm thick acrylic
<b>Side panels</b>	4 mm thick acrylic
<b>Filtration module</b>	Injected polypropylene

**Specifications**

<b>Number of fans (IP44)</b>	4
<b>Processed air flow</b>	920 m <sup>3</sup> /h
<b>Voltage / Frequency</b>	100-240 V / 50-60Hz
<b>Total power consumption including electricity for the lights</b>	230 W
<b>Amperage absorbed</b>	2.3A
<b>Air velocity at openings</b>	>0.3 m/s
<b>Glass worktop retention volume (L)</b>	15.3 L
<b>Resin worktop retention volume (L)</b>	14.3 L

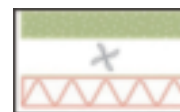
**Filtration column****Type IP**

**High Efficiency Particulate Air filters H 14**  
This filtration technology traps particles larger than 0.3 µm with 99.995% efficiency, according to the MPPS method set forth in the EN 1822-1 standard class 5 (or class 100 according to FED standard 209e ).

**Type IPIC :**

**High Efficiency Particulate Air filters H 14 +molecular filter**

Adding a carbon filter to your vented cabinet allows you to protect its volume from gaseous pollutants present in your laboratory environment

**Equipment****Standard Equipment**

<b>Bactericidal UV Lamps:</b>	15W - Wavelength : 254 nm
<b>UV cut-off</b>	Automatic shut off of the UV lamp when the front shield is opened
<b>U.V. Timer</b>	UV timer set up : from 1 to 30 minutes
<b>U.V. life counter</b>	Alarm for the change of the UV lamp after 2000 hours of operation
<b>Flow monitor</b>	Permanent ventilation control device
<b>Energy ports</b>	For the passage of cables
<b>Internal lighting</b>	Compact tubular fluorescent lighting - 18 Watts - 500 Lux - IP 67

**Options**

<b>Glass worktop</b>	High thickness 25mm. Non-conductive material, very high mechanical and chemical resistance. Built-in spill tray
<b>Stainless steel worktop</b>	High quality brushed 304 stainless steel 1.5mm thickness. Smooth round angles, easy to clean. Prevents bacterial contamination.
<b>Solid Phenolic resin Worktop</b>	High thickness 25mm. Non-conductive material, very high mechanical and chemical resistance. Built-in spill tray.
<b>Benchcap with utility channel</b>	Can accommodate electrical sockets, gas and water taps for the supply of fluids in the Captairflow.
<b>Shelf</b>	Adjustable sliding shelf for Benchcap

**Compliance to standards**

- Air quality within the enclosure: ISO 5\*

\*When used in a cleanroom in compliance with ISO 9 / EN 14-644 standard.



Erlab, Inc. - 388 Newburyport Turnpike, Rowley, MA 10969

P: (800) 964-4434 E: captairsales@erlab.com

[www.erlab.com](http://www.erlab.com)

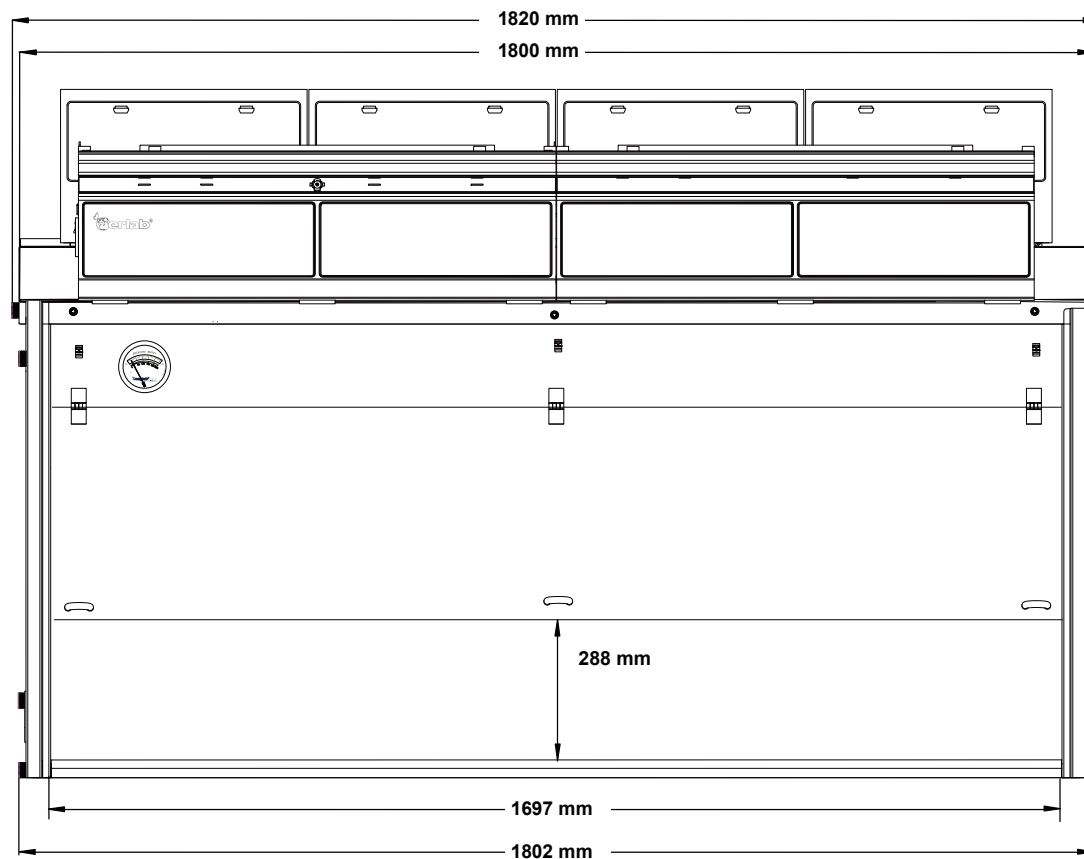
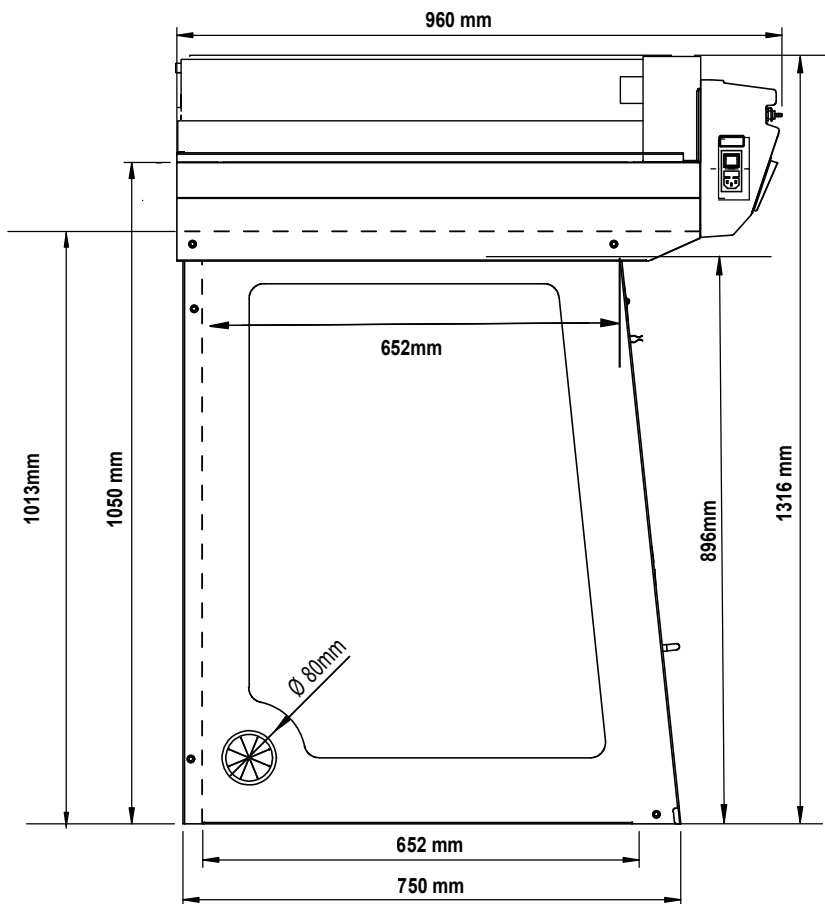
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Technical drawings of the version equipped with the IP filtration column



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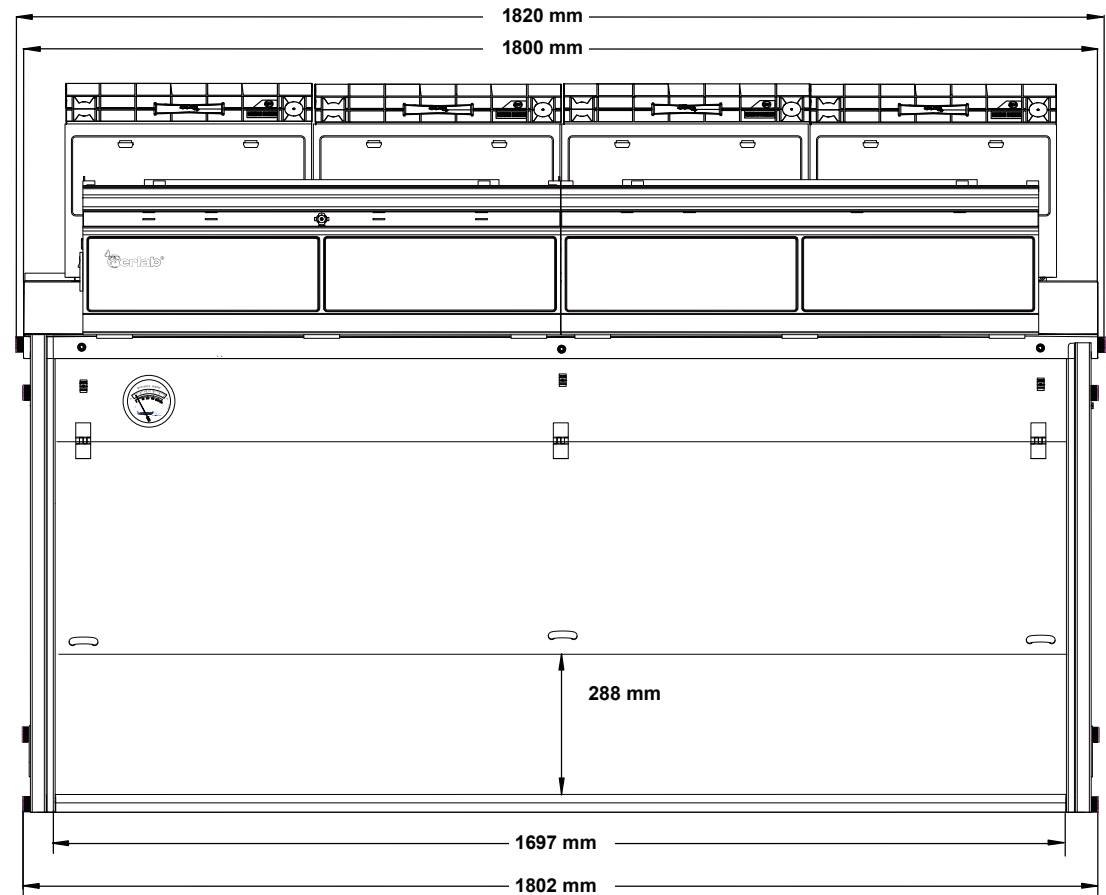
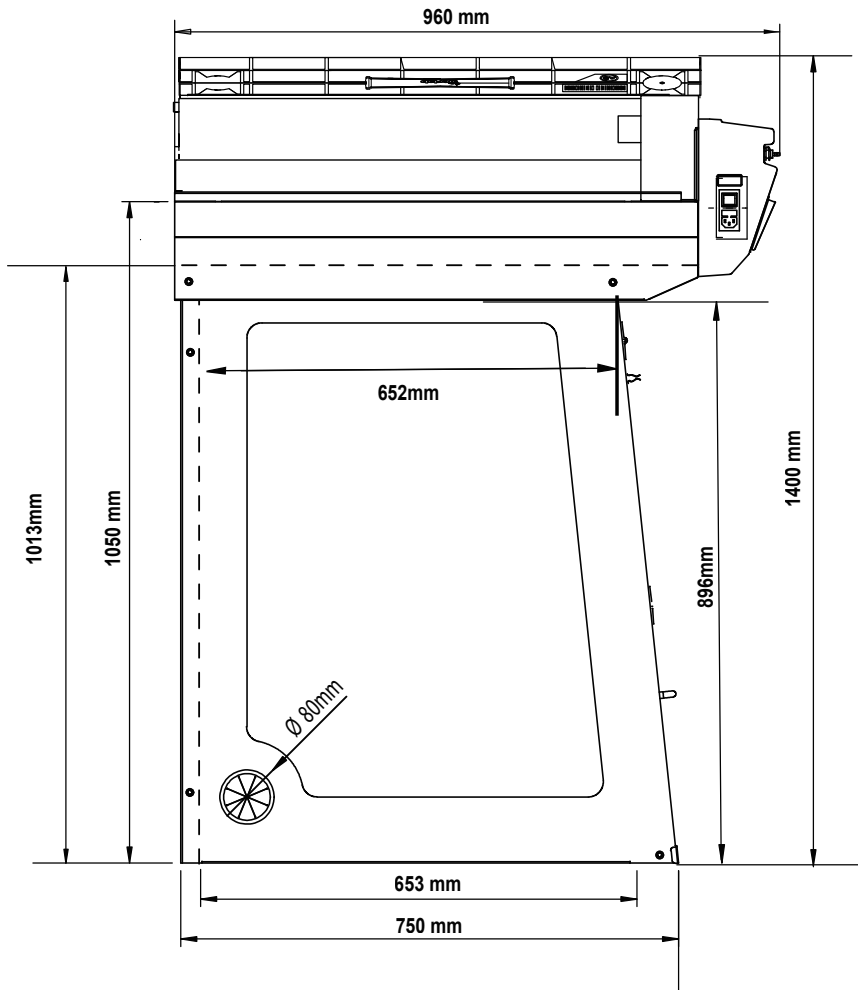
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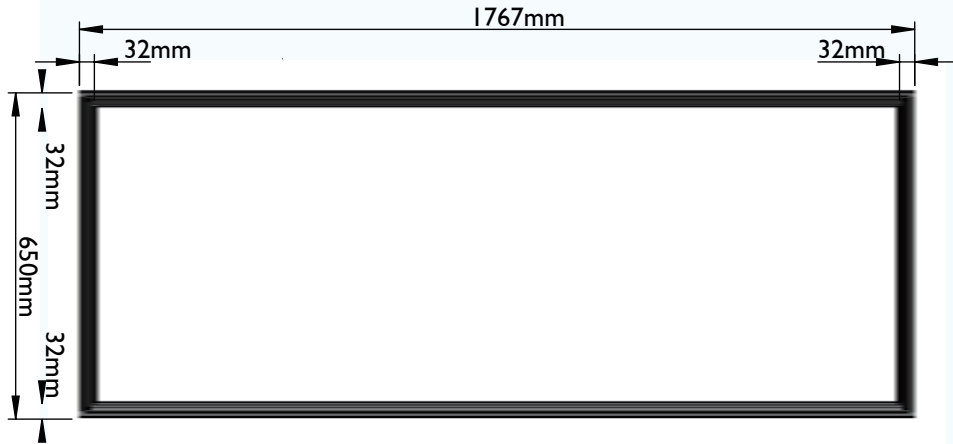
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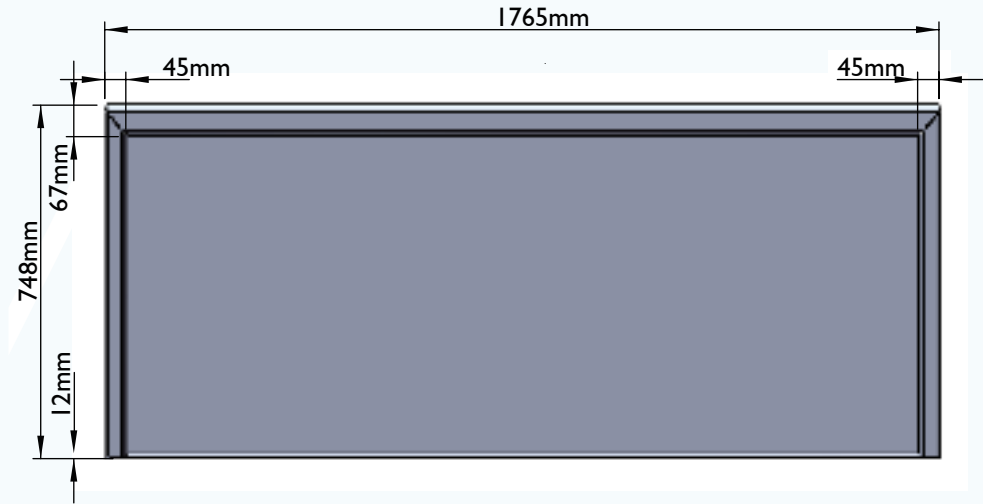
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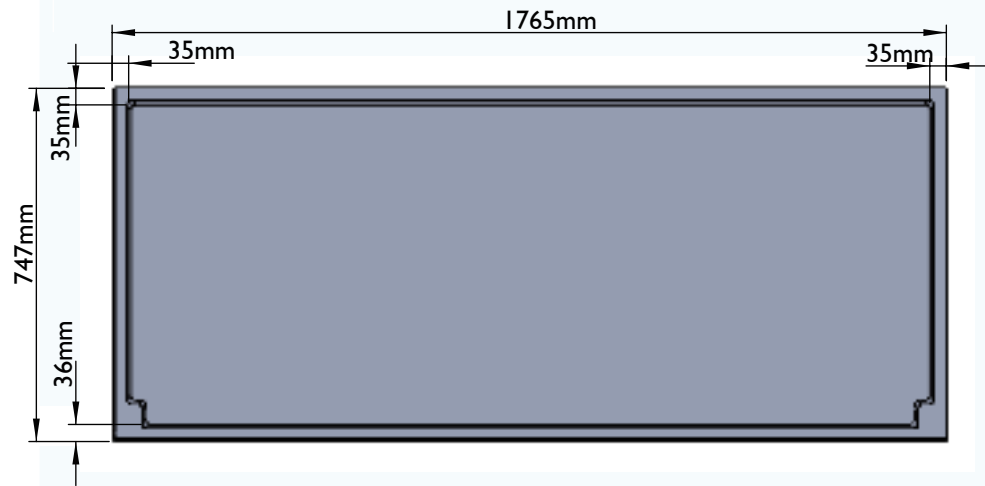
**Enamel coated glass worktop**



**Stainless steel worktop**



**Solid Phenolic resin worktop**



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