AXF-6

Isolator filling line for liquid and lyophilised vials

NEW FOR 2026



AXF-6 L, four modules, shown with closed doors. Render.

300	2R–100R	6	< 75 min
vials per minute, liquid fill (AXF-6 L)	vial formats, plus nested RTU tubs	glove ports per isolator module	VHP cycle to below 1 ppm

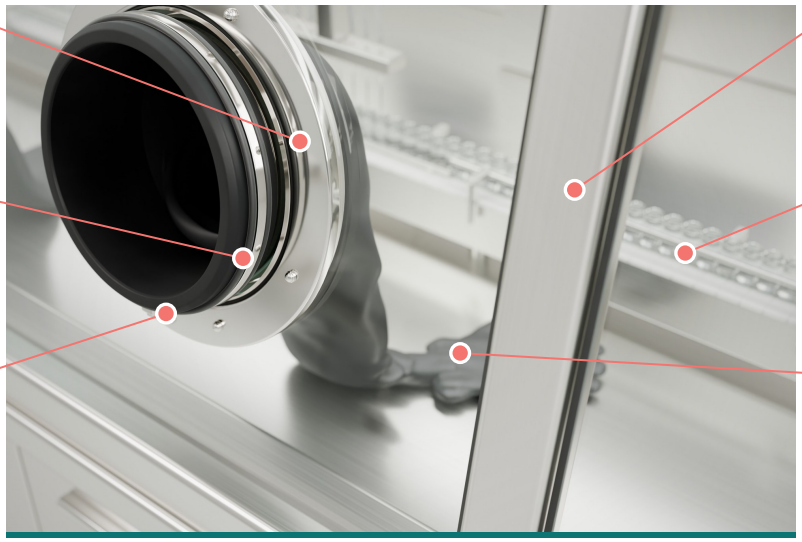
The AXF-6 is a closed isolator filling line for clinical and commercial production of sterile liquids and lyophilisates. A rigid-wall isolator under positive pressure, peristaltic or piston dosing, servo stoppering and an automatic freeze-dryer interface come as one validated package. Configuration S suits clinical batches and frequent changeovers; configuration L runs commercial campaigns at up to 300 vials a minute on the same glove-port hardware, recipes and decontamination cycle.

GLOVE-PORT DETAIL

1 Port flange
Electropolished 316L ring, eight captive bolts, flush with the panel.

2 Double O-ring seal
EPDM, change-out from outside without breaking containment.

3 Bayonet latch
Quarter-turn glove change in under 90 seconds.



4 Window frame
Laminated safety glass in a radiused, drainable stainless frame.

5 Vial transport
Walking-beam conveyor, no guide rails to touch.

6 CSM glove
0.6 mm, tested in place with the integrity tester after every campaign.

- VHP decontamination
- Grade A ISO 5 at rest
- 100 % weight control
- Ready-to-use nested formats
- Single-use product path
- Audit trail and e-signatures

TECHNICAL DATA

AXF-6 specifications

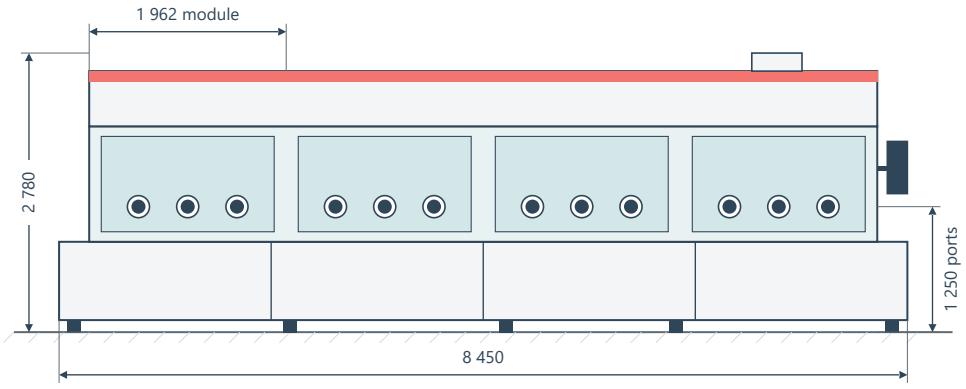
HALCYRA ISOLATION SYSTEMS

Parameter	Unit	Configuration		Notes
		AXF-6 S · clinical	AXF-6 L · commercial	
PERFORMANCE				
Output, liquid fill	vials/min	60	300	
Output, lyophilised (partial stoppering)	vials/min	50	240	
Fill volume range	mL	0.2–50	0.5–100	Peristaltic or piston
Fill accuracy, 1 σ[1]	%	≤ 0.5	≤ 0.8	At nominal volume
In-process weight control	–	100 %	0–100 %	Statistical on L
CONTAINERS				
Vial formats	ISO 8362	2R–30R	2R–100R	Tubular or moulded
Nested ready-to-use tubs	–	Option	Standard	De-lidding inside
Format changeover[2]	h	2.5	4.0	Including VHP
ISOLATOR				
Modules	–	2	4	
Glove ports per module	–	4	6	Front and rear
Leak tightness, ISO 10648-2	class	2	2	Pressure-decay test
Internal overpressure	Pa	+30 to +80	+30 to +80	Adjustable
Unidirectional airflow	m/s	0.45 ± 20 %	0.45 ± 20 %	At working height
DECONTAMINATION				
Method	–	VHP	VHP	Catalytic aeration
Cycle time to < 1 ppm[3]	min	55	75	Empty chamber
Spore log reduction	log	≥ 6	≥ 6	Biological indicators
UTILITIES AND DIMENSIONS				
Electrical supply	V / kW	400 / 18	400 / 42	3-phase, 50/60 Hz
Compressed air, oil-free	bar	6	6	Class 1.4.1
Footprint, length × depth	mm	4 900 × 1 950	8 450 × 1 950	See drawing
Height to top of air handler	mm	2 780	2 780	
Operating weight	kg	3 200	6 900	
CONTROLS AND DATA				
Operator panels	–	1 × 21.5″	2 × 21.5″	Touch, three languages
Audit trail and e-signatures	–	Yes	Yes	Configurable roles
Batch report export	–	PDF/A, XML	PDF/A, XML, OPC UA	

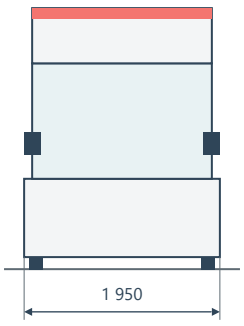
OUTLINE DRAWING · AXF-6 L

FRONT ELEVATION

Drawing	Units	Scale
AXF6-L-GA-01	mm	1:66 on A4



SIDE ELEVATION



1 Water at 20 °C, 5 mL nominal, 1 000 consecutive fills. **2** Between two vial sizes, change parts pre-assembled, decontamination cycle included. **3** H_2O_2 concentration measured at the glove-port plane, loaded chamber adds 10–20 min.

Halcyra Isolation Systems and the AXF-6 are fictional. This datasheet is sample content produced for ToupieSoft to demonstrate document conversion; all values are invented and must not be used for design or procurement. The images are original 3D renders. Specifications are subject to change without notice.