

Automatic and Manual Defrost Laboratory Freezers

Our Forma high-performance, laboratory freezers are designed for medical and scientific applications requiring storage of reagents, pharmaceuticals, biologicals, and other commonly used laboratory materials such as primers, siRNA molecules and FBS. A range of models offers cabinet sizes to fit your specific space needs and storage volume requirements, from undercounter units to full size models.

Available in both automatic and manual defrost options (manual defrost only available on 23.3 cu. ft./659L and 29.2 cu. ft. (826L).)



Optional, inkless, seven day, graphic, chart recorder



Control Panel
Keyed on/off switch with set point security

Microprocessor control system with audio and visual alarms

Bright, digital temperature display

Doors
Spring-loaded, self closing doors with 90° stay-open feature

Lockable doors for added sample security

Automatic Defrost Models

- Forced air circulation for uniform temperature and fast door opening recovery
- Non-invasive defrost with time and temperature guided cycle

Manual Defrost Models

- Cold wall convection cooling for temperature uniformity
- Manual defrost for optimum control

All Models

- Four casters, front two are lockable
- 1" (2.5cm) insulated access port
- Adjustable, epoxy-coated wire shelves are standard (optional drawers)
- TempTest electronic probe/alarm test
- Keyed on/off switch with setpoint security
- Self-closing door with 90° stop
- Built-in remote alarm contacts
- Optional 4-20 milliamp output

Automatic and Manual Defrost Laboratory Freezers



Temperature Range: -20°C (manual defrost)

Cat. No.	Cu. Ft. (L)	Voltage (Hz)	Certification	Amps/ Breaker (Plug)	Cabinet	Door	Drawers	Int. Dimensions*	Ext. Dimensions*	Ship Weight lb (kg)
								H x D x W inches (mm)	H x D x W inches (mm)	
FFGL2320V	23.3	230 (50)	CE	12.0/15 (P7)	upright	single,	4	58.0 x 29.0 x 24.0	79.2 x 37.2 x 28.0	425
FFGL2320W	(659)	230 (50)	CE	12.0/15 (P8)		solid		(1473 x 737 x 610)	(2012 x 945 x 711)	(193)
FFGL3020V	29.2	230 (50)	CE	12.0/15 (P7)	upright	single	4	58.0 x 29.0 x 30.0	79.2 x 37.2 x 34.0	445
FFGL3020W	(826)	230 (50)	CE	12.0/15 (P8)				(1473 x 737 x 762)	(2012 x 945 x 864)	(197)

* Published interior volumes are nominal; useable cu.ft. (L) capacities may be offset by shelves, drawers, blower coils, or cabinet protrusions. For specific cabinet dimensions and allowances, or for verification of clearance tolerances, contact our sales representative. Product performance may be affected by ambient temperature conditions, humidity conditions, sample loading preferences, and frequency of door openings. Contact our sales representative for specific inquiries regarding your application.

Temperature Range: -30°C (auto defrost)

Cat. No.	Cu. Ft. (L)	Voltage (Hz)	Certification	Amps/ Breaker (Plug)	Cabinet	Door	Drawers	Int. Dimensions*	Ext. Dimensions*	Ship Weight lb (kg)
								H x D x W inches (mm)	H x D x W inches (mm)	
FFGL430V	4.9	230 (50)	CE	6.0/15 (P7)	undercounter	single	3	20.0 x 20.5 x 20.0	33.4 x 26.0 x 24.0	220
FFGL430W	(133)	230 (50)	CE	6.0/15 (P8)				(508 x 521 x 508)	(850 x 660 x 610)	(100)
FFGL1230V	11.5	230 (50)	UL	8.0/15 (P7)	space	single	4	52.4 x 21.0 x 20.0	73.6 x 30.0 x 24.0	280
FFGL1230W	(326)	230 (50)	CE	8.0/15 (P8)	saver			(1331 x 553 x 508)	(1869 x 748 x 610)	(127)
FFGL2330V	23.3	230 (50)	CE	12.0/15 (P7)	upright	single	4	58.0 x 29.0 x 24.0	79.2 x 37.2 x 28.0	425
FFGL2330W	(659)	230 (50)	CE	12.0/15 (P8)				(1473 x 737 x 610)	(2012 x 945 x 711)	(193)
FFGL3030V	29.2	230 (50)	CE	12.0/15 (P7)	upright	single	4	58.0 x 29.0 x 30.0	79.2 x 37.2 x 34.0	445
FFGL3030W	(826)	230 (50)	CE	12.0/15 (P8)				(1473 x 737 x 762)	(2012 x 945 x 864)	(197)
FFGL5030V	51.1	230 (50)	CE	12.0/15 (P7)	upright	double	8	58.0 x 29.0 x 52.5	79.2 x 37.2 x 56.5	600
FFGL5030W	(1447)	230 (50)	CE	12.0/15 (P8)				(1473 x 737 x 1334)	(2012 x 945 x 1435)	(272)

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