

thermo scientific



Thermo Scientific Jewett High-Performance Laboratory Refrigerators and Freezers

Designed for your clinical, diagnostic
and research needs

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Thermo Scientific™ Jewett™ High-Performance Laboratory Refrigerators and Freezers

It's a cold hard fact:

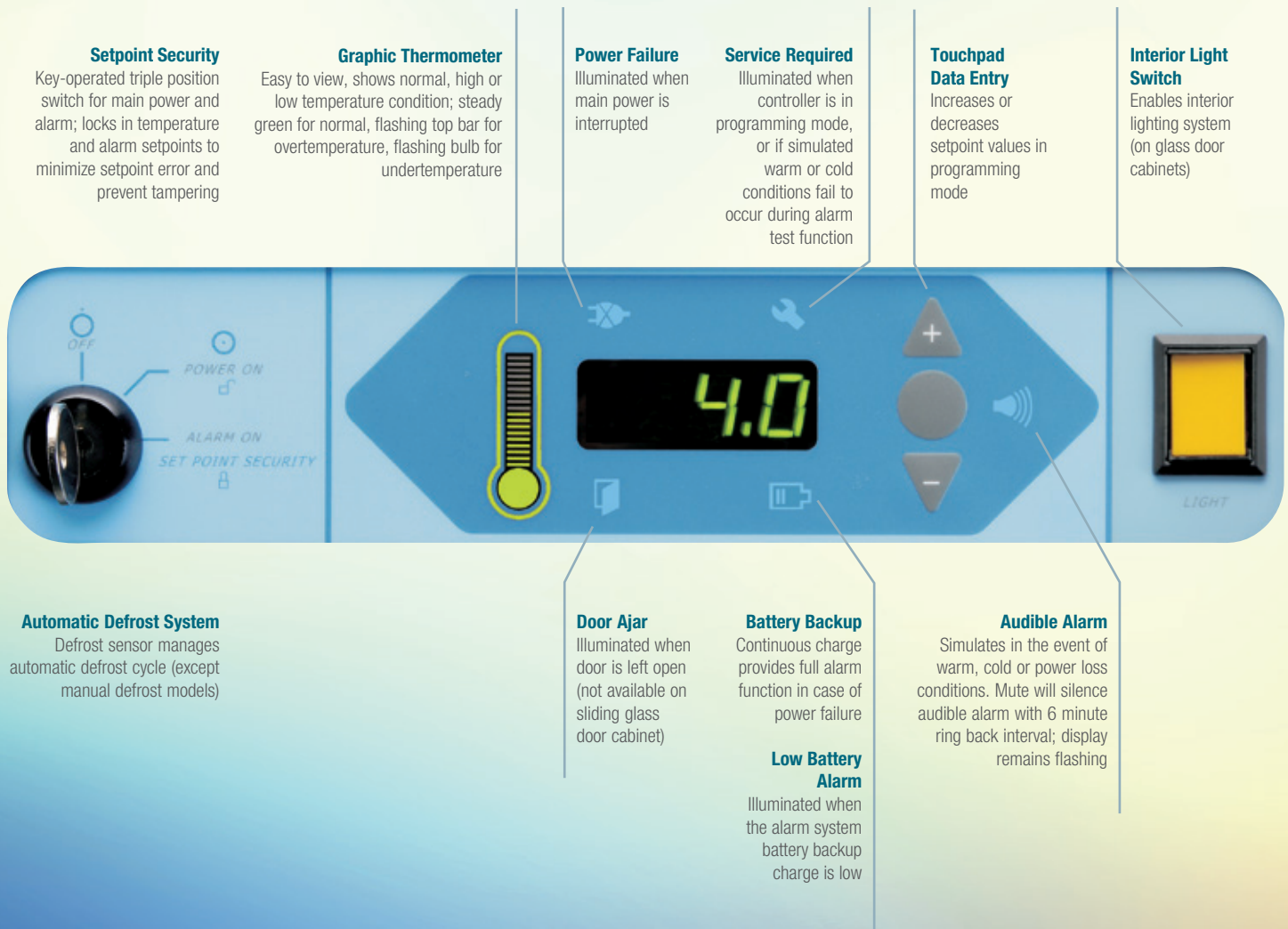
Temperature variation can have an impact on the viability of samples and the efficacy of reagents. These variations can shorten product shelf life, degrade enzymes and reduce vaccine effectiveness. Therefore, it's important to choose a high-performance refrigerator or freezer that has been designed for the demanding standards of the clinical and laboratory environment.

We continually search for ways to enhance our products and processes responsibly:

- Reduce the use of refrigerants in our cold storage equipment
- Use solvent-free, paint technology
- All of our high-performance refrigerators and freezers are manufactured in a zero waste to landfill facility
- Fluorescent lighting in our refrigerators replaced with mercury-free, LED lights

Microprocessor-Based Controller

simplifies operation, improves reliability



Our bright, easy to read display lets you know at-a-glance if your unit is running within range. Visual and audio alarms are designed to alert you in the event of a problem. Immediate access to high and low temperature parameters with the press of a button.

Touchpad Scan

Changes main display; also used to access various programming and service functions (alarm mute, recall 6 minutes).

Digital Display

Indicates cabinet temperature during normal operation, flashes during alarm condition or setpoint adjustment. Displays other values with touchpad sequence.

Service Parameters

Touchpad sequence allows override access to control function defaults for troubleshooting functions.



Biologics

Diagnostic
Kits &
Reagents

Industrial
Testing

Molecular
Biology

Vaccines
& Pharma

Clinical
Applications

Laboratory Refrigerators

Our Jewett **high-performance, laboratory refrigerators** are available in a wide range of cabinet sizes to fit a variety of storage requirements and laboratory footprints.



Would you like to customize your glass door refrigerator?

See page 12 for options and accessories.

- **Forced air circulation for uniform temperature at all shelf levels**
- **Heat-free defrost for maximum uniformity**
- **Choice of glass or solid doors**
- **Four casters, for easy mobility; the front two are lockable**
- **1" (2.5cm) insulated access port**
- **Bright, LED interior lighting**
- **Adjustable, epoxy-coated wire shelves are standard (optional drawers)**
- **Keyed on/off switch with setpoint security**
- **Self-closing door with 90° stop to assist with inventory loads (except sliding glass door REL4504 model)**
- **Built-in remote alarm contacts**
- **Optional +5°C setpoint can be customized for users validating lab refrigerators in the +2 to +8°C setpoint (not available on 45 cu. ft. sliding door or 78 cu. ft. trip door models; order option 7508TA with your lab refrigerator)**

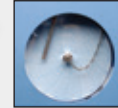
Thermo Scientific Jewett High-Performance Laboratory Refrigerators With Glass Doors

Temperature Range: +1°C to +8°C, factory preset to +4°C (auto defrost) Optional +5°C setpoint available (order option 7508TA)

Model No.	Cu. Ft. (L)	Voltage (Hz)	Certification	Plug	Cabinet	Door	Adjustable Shelves	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
JRG404A	4.9	115 (60)	UL	NEMA 5-15	undercounter	single	3	20.0 x 20.5 x 20.0	33.4 x 26.0 x 24.0	220
JRG404D	(133)	208/230 (60)	UL	NEMA 6-15				(508 x 521 x 508)	(850 x 660 x 610)	(100)
JRG404V		230 (50)	CE	European						
JRG404W‡		230 (50)	CE	U.K.					Exterior height before caster installation.	
JRG1204A	11.5	115 (60)	UL	NEMA 5-15	space	single	4	52.4 x 21.75 x 20.0	73.6 x 29.4 x 24.0	280
JRG1204D	(326)	208/230 (60)	UL	NEMA 6-15	saver			(1331 x 553 x 508)	(1869 x 748 x 610)	(127)
JRG1204V		230 (50)	CE	European						
JRG1204W‡		230 (50)	CE	U.K.						
JRG2304A	23.3	115 (60)	UL	NEMA 5-15	upright	single	4	58.0 x 29.0 x 24.0	79.2 x 37.2 x 28.0	370
JRG2304D	(659)	208/230 (60)	UL	NEMA 6-15				(1473 x 737 x 610)	(2012 x 945 x 711)	(168)
JRG2304V		230 (50)	CE	European						
JRG2304W‡		230 (50)	CE	U.K.						
JRG3004A	29.2	115 (60)	UL	NEMA 5-15	upright	single	4	58.0 x 29.0 x 30.0	79.2 x 37.2 x 34.0	435
JRG3004D	(826)	208/230 (60)	UL	NEMA 6-15				(1473 x 737 x 762)	(2012 x 945 x 864)	(197)
JRG3004V		230 (50)	CE	European						
JRG3004W‡		230 (50)	CE	U.K.						
JRG5004A	51.1	115 (60)	UL	NEMA 5-15	upright	double	8	58.0 x 29.0 x 52.5	79.2 x 37.2 x 56.5	585
JRG5004D	(1447)	208/230 (60)	UL	NEMA 6-15				(1473 x 737 x 1334)	(2012 x 945 x 1435)	(265)
JRG5004V		230 (50)	CE	European						
JRG5004W‡		230 (50)	CE	U.K.						

* 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. 4.7 cu. ft. exterior dimensions are without casters.

‡ Due to differences in building wiring regulations in Australia and New Zealand, the current draw for the W-voltage units rated less than 10A may utilize a 10A circuit breaker. This rating only applies to Australia and New Zealand. Confirm the amperage rating on the data plate. Contact your local sales representative for more information.



Optional, inless, 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

Cabinets shown: 23.3 cu. ft. single door lab refrigerator with glass door and 51.1 cu. ft. double door lab refrigerator with solid doors

Thermo Scientific Jewett Laboratory Refrigerators With Solid Doors

Temperature Range: +1°C to +8°C, factory preset to +4°C (auto defrost) Optional +5°C setpoint available (order option 7508TA)

Model No.	Cu. Ft. (L)	Voltage (Hz)	Certification	Plug	Cabinet	Door	Adjustable Shelves	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
JLR404A	4.9	115 (60)	UL	NEMA 5-15	undercounter	single	3	20.0 x 20.5 x 20.0	33.4 x 26.0 x 24.0	220
JLR404D	(133)	208/230 (60)	UL	NEMA 6-15				(508 x 521 x 508)	(850 x 660 x 610)	(100)
JLR404V		230 (50)	CE	European						
JLR404W‡		230 (50)	CE	U.K.						
Exterior height before caster installation.										
JLR1204A	11.5	115 (60)	UL	NEMA 5-15	space	single	4	52.4 x 21.75 x 20.0	73.6 x 29.4 x 24.0	280
JLR1204D	(326)	208/230 (60)	UL	NEMA 6-15	saver			(1331 x 553 x 508)	(1869 x 748 x 610)	(127)
JLR1204V		230 (50)	CE	European						
JLR1204W‡		230 (50)	CE	U.K.						
JLR2304A	23.3	115 (60)	UL	NEMA 5-15	upright	single	4	58.0 x 29.0 x 24.0	79.2 x 37.2 x 28.0	370
JLR2304D	(659)	208/230 (60)	UL	NEMA 6-15				(1473 x 737 x 610)	(2012 x 945 x 711)	(168)
JLR2304V		230 (50)	CE	European						
JLR2304W‡		230 (50)	CE	U.K.						
JLR3004A	29.2	115 (60)	UL	NEMA 5-15	upright	single	4	58.0 x 29.0 x 30.0	79.2 x 37.2 x 34.0	435
JLR3004D	(826)	208/230 (60)	UL	NEMA 6-15				(1473 x 737 x 762)	(2012 x 945 x 864)	(197)
JLR3004V		230 (50)	CE	European						
JLR3004W‡		230 (50)	CE	U.K.						
JLR5004A	51.1	115 (60)	UL	NEMA 5-15	upright	double	8	58.0 x 29.0 x 52.5	79.2 x 37.2 x 56.5	585
JLR5004D	(1447)	208/230 (60)	UL	NEMA 6-15				(1473 x 737 x 1334)	(2012 x 945 x 1435)	(265)
JLR5004V		230 (50)	CE	European						
JLR5004W‡		230 (50)	CE	U.K.						

► **Would you like to customize your solid door refrigerator?** See page 12 for options and accessories.

* 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. 4.7 cu. ft. exterior dimensions are without casters.

‡ Due to differences in building wiring regulations in Australia and New Zealand, the current draw for the W-voltage units rated less than 10A may utilize a 10A circuit breaker. This rating only applies to Australia and New Zealand. Confirm the amperage rating on the data plate. Contact your local sales representative for more information.



Blood Bank Refrigerators



Our **Jewett high-performance blood bank refrigerators** are designed to meet strict requirements established by the AABB for storage of whole blood and blood components. DIN 58371 compliant for our 326, 659 and 826 liter capacity units (230V/50Hz only).

The complete selection of +4°C refrigerators feature simplified push-button alarm test functions and reliable, field-proven refrigeration systems.

- Forced air circulation for uniform temperature and fast door opening recovery
- Heat-free defrost for maximum temperature uniformity
- Built-in chart recorder (freestanding on 4.9 cu. ft. undercounter model)
- Second cabinet temperature probe
- Four casters for easy mobility, front two are lockable
- 1" (2.5cm) insulated access port
- Bright, LED interior lighting
- Stainless steel, full extendable and adjustable drawers (optional shelves)
- Keyed on/off switch with setpoint security
- Self-closing door with 90° stop for easy inventory loads
- Built-in remote alarm contacts
- Optional 4-20 milliamp output



► **Would you like to customize your blood bank refrigerator?**
See page 12 for options and accessories.

Thermo Scientific Jewett High-Performance Blood Bank Refrigerators

Temperature Range: +1°C to +8°C, factory preset to +4°C (auto defrost)										
Model No.	Cu. Ft./L (Blood Bag Capacity)**	Voltage (Hz)	Certification	Plug	Cabinet	Door	Drawers	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
JBB404A	4.9/133	115 (60)	UL	NEMA 5-15	undercounter	single,	2	20.0 x 20.5 x 20.0	33.4 x 26.0 x 24.0	220
JBB404D	(64)	208/230 (60)	UL	NEMA 6-15		solid		(508 x 520 x 508)	(850 x 660 x 610)	(100)
JBB404V		230 (50)	CE	European						
JBB404W‡		230 (50)	CE	U.K.						
JBB1204A	11.5/326	115 (60)	UL	NEMA 5-15	space	single,	6	52.4 x 21.75 x 20.0	73.6 x 29.4 x 24.0	320
JBB1204D	(192)	208/230 (60)	UL	NEMA 6-15	saver	glass		(1331 x 552 x 508)	(1869 x 762 x 610)	(145)
JBB1204V		230 (50)	CE	European						
JBB1204W‡		230 (50)	CE	U.K.						
JBB2304A	23.3/659	115 (60)	UL	NEMA 5-15	upright	single,	7	58.0 x 29.0 x 24.0	79.2 x 36.4 x 28.0	470
JBB2304D	(385)	208/230 (60)	UL	NEMA 6-15		glass		(1473 x 737 x 610)	(2012 x 925 x 711)	(213)
JBB2304V		230 (50)	CE	European						
JBB2304W‡		230 (50)	CE	U.K.						
JBB3004A	29.2/826	115 (60)	UL	NEMA 5-15	upright	single,	6	58.0 x 29.0 x 30.0	79.2 x 36.4 x 34.0	505
JBB3004D	(426)	208/230 (60)	UL	NEMA 6-15		glass		(1473 x 737 x 762)	(2012 x 925 x 864)	(229)
JBB3004V		230 (50)	CE	European						
JBB3004W‡		230 (50)	CE	U.K.						
JBB5004A	51.1/1447	115 (60)	UL	NEMA 5-15	upright	double,	14	58.0 x 29.0 x 52.5	79.2 x 36.4 x 56.5	640
JBB5004D	(770)	208/230 (60)	UL	NEMA 6-15		glass		(1473 x 737 x 1334)	(2012 x 925 x 1435)	(290)
JBB5004V		230 (50)	CE	European						
JBB5004W‡		230 (50)	CE	U.K.						

* 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. 4.9 cu. ft. exterior dimensions are without casters.

** Nominal capacity based on 450 mL whole blood bags.

Independent automated monitoring is required such as a chart recorder. Note: this medical application is considered Class II.

‡ Due to differences in building wiring regulations in Australia and New Zealand, the current draw for the W-voltage units rated less than 10A may utilize a 10A circuit breaker. This rating only applies to Australia and New Zealand. Confirm the amperage rating on the data plate. Contact your local sales representative for more information.



Vaccines
& Pharma



Clinical
Applications



Diagnostic
Kits &
Reagents

Pharmacy Refrigerators

Available in four sizes, **our Jewett high-performance pharmacy refrigerators** feature adjustable basket drawers and glass doors for the easy identification of chemotherapeutics, vaccines, pharmaceuticals and other material requiring 2 to 8°C storage.



- Forced air circulation for uniform temperature at all drawer levels
- Heat-free defrost for maximum temperature uniformity
- Four casters for easy mobility, front two are lockable
- 1" (2.5cm) insulated access port
- Bright, LED interior lighting
- Convenient, fully extendable and adjustable wire basket drawers
- Keyed on/off switch with setpoint security
- Self-closing door with 90° stop to assist with inventory loads
- Built-in remote alarm contacts
- Optional 4-20 milliamp output



Thermo Scientific Jewett High-Performance Pharmacy Refrigerators

Temperature Range: +1°C to +8°C, factory preset to +4°C (auto defrost)

Model No.	Cu. Ft. (L)	Voltage (Hz)	Certification	Plug	Cabinet	Door	Basket Drawers	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
JPR2304A	23.3	115 (60)	UL	NEMA 5-15	upright	single, glass	6	58.0 x 29.0 x 24.0 (1473 x 737 x 610)	79.2 x 36.4 x 28.0 (2012 x 925 x 711)	470 (213)
JPR2304D	(659)	208/230 (60)	UL	NEMA 6-15						
JPR2304V		230 (50)	CE	European						
JPR2304W‡		230 (50)	CE	U.K.						
JPR3004A	29.2	115 (60)	UL	NEMA 5-15	upright	single, glass	6	58.0 x 29.0 x 30.0 (1473 x 737 x 762)	79.2 x 36.4 x 34.0 (2012 x 925 x 864)	505 (227)
JPR3004D	(826)	208/230 (60)	UL	NEMA 6-15						
JPR3004V		230 (50)	CE	European						
JPR3004W‡		230 (50)	CE	U.K.						
JPR5004A	51.1	115 (60)	UL	NEMA 5-15	upright	double, glass	12	58.0 x 29.0 x 52.5 (1473 x 737 x 1334)	79.2 x 36.4 x 56.5 (2012 x 925 x 1435)	640 (290)
JPR5004D	(1447)	208/230 (60)	UL	NEMA 6-15						
JPR5004V		230 (50)	CE	European						
JPR5004W‡		230 (50)	CE	U.K.						

► **Would you like to customize your pharmacy refrigerator?** See page 12 for options and accessories.

* 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.

‡ Due to differences in building wiring regulations in Australia and New Zealand, the current draw for the W-voltage units rated less than 10A may utilize a 10A circuit breaker. This rating only applies to Australia and New Zealand. Confirm the amperage rating on the data plate. Contact your local sales representative for more information.



Biologics



Diagnostic
Kits &
Reagents



Industrial
Testing



Molecular
Biology

Laboratory Freezers

Automatic -30°C Laboratory Freezers

Our **Jewett 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 (fetal bovine serum).

- Forced air circulation for uniform temperature and fast door opening recovery
- Non-invasive defrost with time and temperature guided cycle
- Four casters, front two are lockable
- 1" (2.5cm) insulated access port
- Adjustable, epoxy-coated wire shelves are standard (optional drawers)
- Keyed on/off switch with setpoint security
- Self-closing door with 90° stop
- Built-in remote alarm contacts
- Optional 4-20 milliamp output



Thermo Scientific Jewett High-Performance -30°C Freezers with Automatic Defrost

Model No.	Cu.Ft. (L)	Voltage (Hz)	Certification	Plug	Cabinet	Door	Adjustable Shelves	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
JLF430A	4.9	115 (60)	UL	NEMA 5-15	undercounter	single	3	20.0 x 20.5 x 20.0	33.4 x 26.0 x 24.0	220
JLF430D	(133)	208/230 (60)	UL	NEMA 6-16				(508 x 521 x 508)	(850 x 660 x 610)	(100)
JLF430V		230 (50)	CE	European						
JLF430W‡		230 (50)	CE	U.K.					Exterior height before caster installation.	
JLF1230A	11.5	115 (60)	UL	NEMA 5-15	space	single	4	52.4 x 21.0 x 20.0	73.6 x 30.0 x 24.0	280
JLF1230V	(326)	230 (50)	UL	European	saver			(1331 x 553 x 508)	(1869 x 748 x 610)	(127)
JLF1230W‡		230 (50)	CE	6.5/15 (P8)						
JLF2330A	23.3	115 (60)	UL	NEMA 5-15	upright	single	4	58.0 x 29.0 x 24.0	79.2 x 37.2 x 28.0	425
JLF2330D	(659)	208/230 (60)	UL	NEMA 6-16				(1473 x 737 x 610)	(2012 x 945 x 711)	(193)
JLF330V		230 (50)	CE	European						
JLF2330W‡		230 (50)	CE	U.K.						
JLF3030A	29.2	115 (60)	UL	NEMA 5-15	upright	single	4	58.0 x 29.0 x 30.0	79.2 x 37.2 x 34.0	445
JLF3030D	(826)	208/230 (60)	UL	NEMA 6-16				(1473 x 737 x 762)	(2012 x 945 x 864)	(197)
JLF3030V		230 (50)	CE	European						
JLF3030W‡		230 (50)	CE	U.K.						
JLF5030A	51.1	115 (60)	UL	NEMA 5-15	upright	double	8	58.0 x 29.0 x 52.5	79.2 x 37.2 x 56.5	600
JLF5030D	(1447)	208/230 (60)	UL	NEMA 6-16				(1473 x 737 x 1334)	(2012 x 945 x 1435)	(272)
JLF5030V		230 (50)	CE	European						
JLF5030W‡		230 (50)	CE	U.K.						

► **Would you like to customize your freezer?** See page 13 for options and accessories.

* 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. 4.7 cu. ft. exterior dimensions are without casters.

‡ Due to differences in building wiring regulations in Australia and New Zealand, the current draw for the W-voltage units rated less than 10A may utilize a 10A circuit breaker. This rating only applies to Australia and New Zealand. Confirm the amperage rating on the data plate. Contact your local sales representative for more information.



Plasma Freezers

Our **Jewett high-performance -30°C plasma freezers with automatic defrost** are designed to meet AABB standards for the safe storage of plasma safety and performance in plasma storage.

Five different models are available to meet your particular storage volume and lab space requirements.



- Forced air circulation for uniform temperature at all drawer levels
- Smart auto defrost with temperature guided cycle
- Standard, stainless steel interior
- Built-in chart recorder (4.9 cu. ft. model freestanding)
- Four casters for easy mobility, front two are lockable
- 1" (2.5cm) insulated access port
- Keyed on/off switch with setpoint security
- Self-closing door with 90° stop to assist with inventory loads
- Built-in remote alarm contacts
- Optional 4-20 milliamp output

Thermo Scientific Jewett High-Performance -30°C Plasma Freezers with Automatic Defrost

Model No.	Cu.Ft./L (Plasma Box Capacity)**	Voltage (Hz)	Certification	Plug	Cabinet	Door	Drawers	Int. Dimensions* H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
JPL430A	4.9/133	115 (60)	UL	NEMA 5-15	undercounter	single	2	20.0 x 20.5 x 20.0	33.4 x 26.0 x 24.0	220
JPL430D	(78)	208/230 (60)	UL	NEMA 6-16				(508 x 521 x 508)	(850 x 660 x 610)	(100)
JPL430V		230 (50)	CE	European						
JPL430W‡		230 (50)	CE	U.K.					Exterior height before caster installation	
JPL1230A	11.5/326	115 (60)	UL	NEMA 5-15	space saver	single	7	52.4 x 21.0 x 20.0	73.6 x 30.0 x 24.0	365
JPL1230V	(273)	230 (50)	CE	European				(1331 x 533 x 508)	(1869 x 762 x 610)	(166)
JPL1230W‡		230 (50)	CE	U.K.						
JPL2330A	23.3/659	115 (60)	UL	NEMA 5-15	upright	single	7	58.0 x 29.0 x 24.0	79.2 x 37.2 x 28.0	425
JPL2330D	(532)	208/230 (60)	UL	NEMA 6-16				(1473 x 737 x 610)	(2012 x 945 x 711)	(193)
JPL2330V		230 (50)	CE	European						
JPL2330W‡		230 (50)	CE	U.K.						
JPL3030A	29.2/826	115 (60)	UL	NEMA 5-15	upright	single	7	58.0 x 29.0 x 30.0	79.2 x 37.2 x 34.0	580
JPL3030D	(665)	208/230 (60)	UL	NEMA 6-16				(1473 x 737 x 762)	(2012 x 945 x 864)	(263)
JPL3030V		230 (50)	CE	European						
JPL3030W‡		230 (50)	CE	U.K.						
JPL5030A	51.1/1447	115 (60)	UL	NEMA 5-15	upright	double	14	58.0 x 29.0 x 52.5	79.2 x 37.2 x 56.5	600
JPL5030D	(1064)	208/230 (60)	UL	NEMA 6-16				(1473 x 737 x 1334)	(2012 x 945 x 1435)	(272)
JPL5030V		230 (50)	CE	European						
JPL5030W‡		230 (50)	CE	U.K.						

► **Would you like to customize your plasma freezer? See page 13 for options and accessories.**

* 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. 4.7 cu. ft. exterior dimensions are without casters.

** Nominal capacity based on 250 mL plasma boxes.

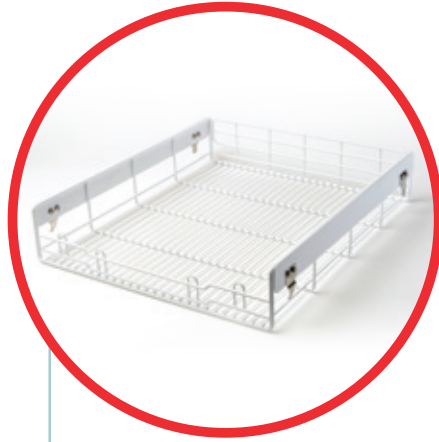
Independent automated monitoring is required such as a chart recorder. Note: this medical application is considered Class I.

‡Due to differences in building wiring regulations in Australia and New Zealand, the current draw for the W-voltage units rated less than 10A may utilize a 10A circuit breaker. This rating only applies to Australia and New Zealand. Confirm the amperage rating on the data plate. Contact your local sales representative for more information.

OPTIONS & ACCESSORIES



► **Shelves**



► **Wire Basket Drawers**

Productive use of our high-performance refrigerators and freezers can be enhanced with options and accessories specifically designed to improve utility and convenience.

Many options are factory-installed and must be specified with your refrigerator and freezer order. Customer-installed options may require the services of a factory authorized technician. The ordering chart on the following page will inform you which options are factory- or customer-installed.

Before Ordering ...

Serial number tags on all of our refrigerators and freezers provide model numbers and voltage information needed for accurate selection of options ordered for field installation. You can also refer to the refrigerator and freezer ordering charts in this brochure for model numbers and voltage information. It is recommended that options be ordered when your refrigerator or freezer is ordered. Factory-installed options eliminate down-time during product installation.

Door Swing Options and Heated Glass Door Options (Factory-Installed)

All high-performance refrigerators and freezers are right-hand swing but factory-installed, left hand swings are available. To mitigate condensation, heated glass door options are also available. Not all options are available on all models: see the chart on the following page.

Temperature Chart Recorders (Factory- or Customer-Installed)

Standard on blood bank refrigerators and plasma freezers but optional on other models. Chart recorders are 6" (15.2 cm), seven-day and use pressure-sensitive chart paper. One box of 50 charts is included with order.

Surge Suppressors (Factory-Installed)

Designed to prevent issues related to voltage surges.

Remote Alarm Modules (Factory-Installed)

Free-standing remote alarm modules tie-in to the standard remote alarm terminals on the refrigerators and freezers.

OPTIONS & ACCESSORIES



Alarm Delay Modules

The alarm delay eliminates nuisance alarms due to intermittent or transitory conditions such as lightning or brief power outages. The adjustable delay requires an alarm condition to exist continuously for a pre-determined time (adjustable) before a signal is released to a central alarm/monitoring system or telephone dialer.

- Adjustable delay from 0.5 to 32 minutes
- Red alarm indicator light remains flashing after transient condition is corrected; requires manual reset
- Signals chronic alarm conditions which may indicate impending component failure; allows time for inspection of corrective maintenance
- Inserts variable time interval between detection of alarm condition and transmission of signal
- Includes accurate digital timing circuit adjustable from 0.5, 1, 2, 4, 8, 18 or 32 minutes
- Operates independent of the line power; built-in battery and alarm test function users customer supplied 9V battery

Digital Temperature Monitors

Simple, accurate and cost-effective, the digital temperature and power monitor provides both alarm/monitoring and digital temperature display in a single, self-contained unit. Standard features include high alarm, alarm mute and chirp, audio delay timer, remote alarm contacts (SPDT), NiCad battery backup and low voltage AC power supply. 120V, AC only.

- Can be installed on or adjacent to the refrigerator or freezer
- Activates an audible and visual warning in case of power failure or over-temperature condition
- Choose from single probe digital models or multiple probe, microprocessor-based models
- Temperature range is -100°C to 25°C
- Probe size 1.25" L x 0.25" diameter

4-20 milliamp (MA) transmitters

4-20 milliamp transmitters offer a point-to-point circuit to transmit signals from refrigerator and freezer sensors to a controller, sending an analog signal from 4 to 20 milliamps.

Specialty Electrical Plugs

For countries where NEMA 5-15, 6-15 and Continental EU plugs are not standard, specialty plug options are available. See the following page for these country-specific plugs.

Seismic Restraint Kits

Provides additional stability for regions prone to earthquakes.

e-Lock Adapter Kits

E-locks provide access control with audit-trail capabilities, as well as temperature monitoring. These kits require no electricity and are available in both factory- and customer-installed options for CompX™, Pyxis®, Omnicell® and McKesson™ locks.

CompX is a trademark of CompX International, Inc. Pyxis is a registered trademark of CareFusion Corporation. Omnicell is a registered trademark of Omnicell, Inc. McKesson is a trademark of McKesson Corporation.

Options for High-Performance Refrigerators Ordering Guide

For use with refrigerator size →	4.9 cu. ft. (133 L)	11.5 cu. ft. (326 L)	23.3 cu. ft. (659 L)	29.2 cu. ft. (826 L)	51.1 cu. ft. (1447 L)
Door options (factory-installed)					
	Model No.	Model No.	Model No.	Model No.	Model No.
Left hand swing, solid door	7119	6995	6997	6999	
Left hand swing, glass door	7123	6996	6998	7000	
Left hand swing, heated glass door		7073	7075	7087	
Right hand swing, glass door	7118	7066	7012	7013	
Right hand swing, heated glass door		7074	7086	7088	
Double left hand swinging doors, solid					7001
Double left hand swinging doors, glass					7067
Double left hand swinging doors, heated glass					7089
Double right hand swinging doors, solid					7068
Double right hand swinging doors, glass					7069
Double right hand swinging doors, heated glass					7090
Double left and right hand swinging doors, solid					7019
Double left and right hand swinging doors, glass					7014
Double left and right hand swinging doors, heated glass					7091
6" 7-day inkless chart recorders, -40°C to +25°C			Model no. (all sizes)		
Free-standing, customer-installed, 115V, 60Hz models			6383-7A		
Free-standing, customer-installed, 208-230V, 60Hz models			6383-7D		
Free-standing, customer-installed, 230V, 50Hz models (EU)			6383-7V		
Free-standing, customer-installed, 230V, 50Hz models (UK)			6383-7W		
Factory-installed (all voltages)			6183-7		
Replacement chart paper, box of 50			6184		
Surge suppressor (factory-installed)					
115V, 60Hz models			6402-1		
208-230V, 60Hz models			6402-2		
230V, 50Hz models			6402-3		
Remote alarm modules (factory-installed)					
115V, 60Hz models			5612-1A		
208-230V, 60Hz models			5612-2D		
230V, 50Hz models			5612-3V		
Alarm delay modules					
Battery operated			6903		
Digital temperature monitors					
Single input channel, temperature range -100° to +25°C, set point resolution of 1°C, high temperature alarm only, numeric LCD display, red visual alarm, 8 ft. Teflon® lead wire, Velcro® mounting strap, 5" L x 2"D x 4.5"W (mm, 130 x 50 x 110), 120v, 60hz, with a 15amp dual prong plug (fits NEMA 5-15R)			6898		
Deluxe electronic remote alarm					
Requires a dedicated, analog phone line			6224TA		
4-20 milliamp transmitters					
Self-powered, factory-installed			7204		
Non-powered, factory-installed			6907-1		
Non-powered, customer-installed			6907-2		
e-Lock adapter kits (does not include locks; single door models only)					
CompX adapter, factory-installed			CXELAF		
CompX adapter, customer-installed			CXELAC		
Pyxis glass door adapter, factory-installed			PXELAGF		
Pyxis glass door adapter, customer-installed			PXELAGC		
Pyxis solid door adapter, factory-installed			PXELASF		
Pyxis solid door adapter, customer-installed			PXELASC		
Omnicell glass door adapter, factory-installed			OMELAGF		
Omnicell glass door adapter, customer-installed			OMELAGC		
Omnicell solid door adapter, factory-installed			OMELASF		
Omnicell solid door adapter, customer-installed			OMELASC		
McKesson glass door adapter, factory-installed			MKELAGF		
McKesson glass door adapter, customer-installed			MKELAGC		
McKesson solid door adapter, factory-installed			MKELASF		
McKesson solid door adapter, customer-installed			MKELASC		
Stainless steel interior (factory-installed)					
Stainless steel interior finish	7116	6199-3A	6115	6709	6116
5°C setpoint (factory-installed)					
Not available for blood bank models			7508TA		7508TA

Options for High-Performance Freezers Ordering Guide

	For use with freezer size →				
	4.9 cu. ft. (133 L)	11.5 cu. ft. (326 L)	23.3 cu. ft. (659 L)	29.2 cu. ft. (826 L)	51.1 cu. ft. (1447 L)
Door options (factory-installed)	Model no.	Model no.	Model no.	Model no.	Model no.
Left hand swing, solid door	7119	6995	6997	6999	
Double left hand swinging doors, solid					7001
Double right hand swinging doors, solid					7068
Double left and right hand swinging doors, solid					7019
6" 7-day inkless chart recorders, -40°C to +25°C	Model no. (all sizes)				
Factory-installed (all voltages)			6183-7		
Free-standing, customer-installed, 115V, 60Hz models			6383-7A		
Free-standing, customer-installed, 208-230V, 60Hz models			6383-7D		
Free-standing, customer-installed, 230V, 50Hz models (EU)			6383-7V		
Free-standing, customer-installed, 230V, 50Hz models (UK)			6383-7W		
Replacement chart paper, box of 50			6184		
Surge suppressor (factory-installed)					
115V, 60Hz models			6402-1		
208-230V, 60Hz models			6402-2		
230V, 50Hz models			6402-3		
Remote alarm modules (factory-installed)					
115V, 60Hz models			5612-1A		
208-230V, 60Hz models			5612-2D		
230V, 50Hz models			5612-3V		
Alarm delay modules					
Battery operated			6903		
Digital temperature monitors					
Single input channel, temperature range -100° to +25°C, set point resolution of 1°C, high temperature alarm only, numeric LCD display, red visual alarm, 8 ft. Teflon® lead wire, Velcro® mounting strap, 5" L x 2"D x 4.5"W (mm, 130 x 50 x 110), 120v, 60Hz, with a 15amp dual prong plug (fits NEMA 5-15R)			6898		
Deluxe electronic remote alarm					
Requires a dedicated, analog phone line			6224TA		
4-20 milliamp transmitters					
Self-powered, factory-installed			7205TA		
Non-powered, factory-installed			4706		
e-Lock adapter kits (does not include locks)					
CompX adapter, factory-installed			CXELAF		
CompX adapter, customer-installed			CXELAC		
Pyxis solid door adapter, factory-installed			PXELASF		
Pyxis solid door adapter, customer-installed			PXELASC		
Omnicell solid door adapter, factory-installed			OMELASF		
Omnicell solid door adapter, customer-installed			OMELASC		
McKesson solid door adapter, factory-installed			MKELASF		
McKesson solid door adapter, customer-installed			MKELASC		
Stainless steel interior (factory-installed)	Model no.	Model no.	Model no.	Model no.	Model no.
Factory-installed stainless steel interior	7116	6199-3A	6115	6709	6116

Specialty Plugs for Refrigerators and Freezers

Specialty plugs (factory-installed) for all Models									
Argentina	Australia	Brazil	China	Denmark	India	Israel	Italy	Switzerland	Twist lock plug NEMA L6-15P
AR230V16A	AU230V16A	BR230V16A	CH230V16A	DK230V16A	IN230V16A	IS230V16A	IT230V16A	SW230V16A	TL230V15A

OPTIONS & ACCESSORIES ORDERING GUIDE

Accessories for High-Performance Refrigerators and Freezers

For use with refrigerator or freezer size →	4.9 cu. ft. (133 L)	11.5 cu. ft. (326 L)	23.3 cu. ft. (659 L)	29.2 cu. ft. (826 L)	51.1 cu. ft. (1447 L)
Shelves	Model no.	Model no.	Model no.	Model no.	Model no.
Epoxy-coated, full size shelf		7125	6696	6695	6696
Epoxy-coated, half size shelf			6698	6697	6698
Stainless steel, full size shelf	6202-1	6695-1	6696-1		
Drawer dividers for roll-out , stainless steel drawers					
4-place divider, order one divider per drawer		7027 (4)	6206 (4)	6963 (5)	6206 (4)
3" casters (note: all models ship standard with 2")					
Set of four, 3" (76mm) casters			6041-1		
Additional wire basket drawers					
For pharmacy refrigerators		WB12	WB23/50	WB30	WB23/50
Thermo Scientific Lab Cooler Module					
Holds twenty-four 1.5mL tubes and eight 0.5mL tubes			6744		
Seismic restraint kits					
Basic				TFR210	
For OSHPD		TF-LRF12	TF-LRF23	TF-LRF30	TF-LRF50

ADDITIONAL ACCESSORIES



► Gibco Media

Gibco™ media, sera, supplements, cells and cell culture reagents are designed to deliver reproducibility and performance for results you can count on. Regardless of whether you are performing cell culture in a research lab or production facility, need a special or defined formulation, or are growing cell lines, primary cells, or stem cells, Gibco products offer a reliable solution.



► Clinical Containers

Made with the highest quality resins, Thermo Scientific Nalgene™ bottles are engineered to work harder with a proprietary valve seal and a strong, semi-buttress thread design. Our Nalgene bottles offer a leakproof* guarantee because we manufacture and test both components together as part of our routine quality program.



► Cold Chain Monitoring


Thermo Scientific Smart-Tracker™ offers special features for mobile temperature tracking and data sharing via the Cloud. Place Smart-Tracker inside a crate or package and use the app to check it at different locations. Each time you read Smart-Tracker, the data, complete with geo-location information from your smartphone can be uploaded to the Cloud and accessed from anywhere in the world.

*Our guarantee for a leakproof seal is subject to our standard product warranty, as set forth in the Thermo Fisher Scientific Terms and Conditions of Sale. Our products are leakproof at ambient temperature and pressure when used with their corresponding closures. However, to ensure safe usage, customers are advised to test our containers and closures under conditions of their planned applications. Please contact technicalsupport@thermofisher.com if you need additional information about our products.

SPECIALTY REFRIGERATORS

Counter-High Refrigerators

Limited space doesn't mean you need to sacrifice performance. Our **Jewett counter-high lab refrigerators** are built with the same high-quality components and controls as our larger units. This allows scientists and technicians to keep critical samples close to their workspace – without the worry of temperature variations found in lower quality domestic units.

		
Biologics	Diagnostic Kits & Reagents	Vaccines & Pharma
		
Industrial Testing	Molecular Biology	Clinical Applications

- Polished stainless steel interior and exterior surfaces
- CFC-free, foamed-in-place, polyurethane insulation
- Self-closing door with magnetic gasket for tight seal
- Chrome-plated, door latch with adjustable cylinder keyed lock
- Digital temperature display
- Solid state electronic temperature control, set to operate at 2 – 4°C
- Automatic defrost
- Forced-air circulation for good temperature uniformity
- 1/5 H.P. hermetically-sealed condensing unit
- R-134a refrigerants
- 1" (25mm) access port located on the back of the unit
- Front-facing ventilation for under-counter placement



Cabinet shown: 5.4 cu. ft. (UC5B) lab refrigerator

Thermo Scientific Jewett Counter-High Lab Refrigerators†

Temperature Range: +2°C to +4°C										
Model No.	Cu.Ft. (L)	Voltage (Hz)	Certification	Amps/Breaker (Plug)	Cabinet	Door	Shelves	Int. Dimensions H x D x W inches (mm)	Ext. Dimensions H x D x W inches (mm)	Ship Weight lb (kg)
UC5B-1B	5.4 (153)	120 (60)	UL	8.2/15 (P1)	counter-high	single	2	20.4 x 19.4 x 21.5	34.7 x 24 x 24.3	210
UC5B-2A**		230(50)		1.6/15 (P7-P8)			epoxy coated	(518 x 492 x 546)	(876 x 610 x 613)	(95)

Optional Accessories

Lab Refrigerators

Model No.	Description
7409TA	Drawer set (2 drawers)
7410TA	Additional shelf
7467TA	Left door hinge
7474TA	Freestanding CP101 surveillance center with 7ER and HemaPro

** Not CE marked



Whole Blood



Plasma

Counter High Blood Bank Refrigerators and Plasma Freezers

Our **Jewett counter-high blood bank refrigerators and plasma freezers** allow you to keep these critical items close to point-of-care stations.

- CT1 and CTF306 models come standard with CP101 temperature surveillance center which includes the HemaPro 101 monitor and 7ER temperature chart recorder
- Removable steel countertop of CT1 and CTF306 allows conversion to an undercounter unit
- Polished stainless steel interior and exterior surfaces
- CFC-free, foamed-in-place, polyurethane insulation
- Self-closing door with magnetic gasket for tight seal
- Chrome-plated, door latch with adjustable cylinder keyed lock
- Digital temperature display
- Solid state electronic temperature control, set to operate at 2-4°C (blood bank refrigerators) and -30°C (plasma freezers)
- Automatic defrost
- Forced-air circulation for temperature stability
- 1/5 H.P. hermetically-sealed condensing unit
- R-134a refrigerants
- 1" (25mm) access port located on the back of the unit
- Front-facing ventilation for under-counter placement



Cabinet shown: 5.4 cu. ft. (CT1) blood bank refrigerator, shown with standard freestanding CP101 with 7ER and HemaPro 101



Thermo Scientific Jewett Counter-High Blood Bank Refrigerators†

(holds 68, 450mL bags; comes standard with CP 101)

Temperature Range: +2°C to +4°C

Model No.	Cu.Ft. (L)	Voltage (Hz)	Certification	Amps/Breaker (Plug)	Cabinet	Door	Drawers	Int. Dimensions H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
CT1-1B CT1-2A**	5.4 (153)	120 (60) 230(50)	UL	8.2/15 (P1) 1.6/15 (P7-P8)	counter-high	single	2 stainless steel	20.4 x 19.4 x 21.5 (518 x 492 x 546)	36 x 24 x 24.1 (914 x 610 x 613)	225 (102)

† Jewett compat lab refrigerators and freezers are positioned flat on the floor for maximum usable space. Leveling legs and casters are not offered on these products.

** Not CE marked

Thermo Scientific Jewett Counter-High Plasma Freezers† (holds 96, 300mL bags; comes standard with CP 101)

Temperature Range: -30°C

Model No.	Cu.Ft. (L)	Voltage (Hz)	Certification	Amps/Breaker (Plug)	Cabinet	Door	Drawers	Int. Dimensions H x D x W inches (mm)	Ext. Dimensions* H x D x W inches (mm)	Ship Weight lb (kg)
CTF306-1B CTF306-2A**	5.4 (153)	120 (60) 230(50)	UL	8.2/15 (P1) 4/15 (P7-P8))	counter-high	single	2 stainless steel	20.4 x 19.4 x 21.5 (518 x 492 x 546)	36 x 24 x 24.1 (914 x 610 x 613)	250 (141)

Optional Accessories

Plasma Freezers

Model No.	Description
7475TA	Additional drawer
7380TA	Shelf set (2 epoxy-coated shelves)
7410TA	Additional shelf
7467TA	Left door hinge

Blood Bank Refrigerators

Model No.	Description
7484TA	Additional shorter top drawer
7475TA	Additional longer bottom drawer
7380TA	Shelf set (2 epoxy-coated shelves)
7467TA	Left door hinge
7410TA	Additional Shelf

SPECIALTY REFRIGERATORS

Pass-Thru Refrigerators

Efficiency and workflow are enhanced with our **Jewett pass-thru lab refrigerators**. Two capacity selections offer dual direction sliding drawers, available chart recorders, temperature management options and door swing choices to meet your unique application needs.

		
Biologics	Diagnostic Kits & Reagents	Vaccines & Pharma
		
Industrial Testing	Molecular Biology	Clinical Applications

- Durable, powder-coated steel exterior
- Stainless steel interior
- Triple-pane, heated glass doors and door frames
- CFC-free, foamed-in-place, polyurethane insulation
- Self-closing door with magnetic gasket for a tight seal
- Chrome-plated, keyed door latch with adjustable cylinder lock
- Fluorescent interior lighting
- Solid state electronic temperature control, set to operate at 2 – 4°C
- Digital temperature display on models LR25D and LR55D
- Automatic, off-cycle defrost
- Heavy duty, 1/3 H.P. hermetically-sealed condensing unit
- R-134a refrigerants
- Provided with 6" leveling legs; castors are not offered



Thermo Scientific Jewett Pass-Thru Lab Refrigerators

Temperature Range: -30°C										
Model No.	Cu.Ft. (L)	Voltage (Hz)	Certification	Amps/Breaker (Plug)	Cabinet	Door	Shelves	Int. Dimensions H x D x W inches (mm)	Ext. Dimensions H x D x W inches (mm)	Ship Weight lb (kg)
LR25D-1B LR25D-2A*	24.8 (702)	120 (60) 230(50)	UL	9.0/15 (P1) 4/15 (P7-P8)	pass-thru	2 glass	5	59.8 x 24.8 x 29.5 (1514 x 629 x 749)	84 x 29 x 36 (2134 x 737 x 914)	560 (254)
LR55D-1B LR55D-2A*	55 (1558)	120 (60) 230(50)	UL	12.0/15 (P1) 6.1/15 (P7-P8)	pass-thru	4 glass	10	59.8 x 54.8 x 29.5 (1514 x 629 x 749)	84 x 29 x 36 (2134 x 737 x 914)	950 (431)

* Not CE marked

Optional Accessories: Laboratory

Model No.	Description
7460TA	Drawer set (7 drawers) for LR25D models
7461TA	Drawer set (14 drawers) for LR55D models
7462TA	Additional extra drawer
7465TA	Additional extra shelf
7478TA	Right-hand hinge door, non controller side for model LR25D
7468TA	Left-hand hinge door, controller side for model LR25D
7471TA	Integrated 7ER chart recorder
7472TA	Integrated HemaPro 2000 surveillance center



Pass-Thru Blood Bank Refrigerators



Cabinet shown: 24.8 cu. ft. (BBR25D) blood bank refrigerator with standard integrated HemaPro 2000 surveillance center and 7ER chart recorder



Our pass-thru blood bank refrigerators come with all the features on our pass-through refrigerators along with roll-out stainless steel drawers and the following surveillance center.

HemaPro 2000™ Surveillance Center

- Comes installed in the top panel of pass-thru blood bank refrigerators; available as an installed option on lab refrigerators
- Gives display of both freezer and refrigerator temperatures
- Adjustable high and low temperature alarms
- Battery back-up power for alarms
- Electronic event log records time, date and duration of alarm conditions

Thermo Scientific Jewett Pass-Thru Blood Bank Refrigerators

(450 mL blood bag capacity: 462 [BBR25], 924 [BBR55])

Temperature Range: +2°C to +4°C

Model No.	Cu.Ft. (L)	Voltage (Hz)	Certification	Amps/Breaker (Plug)	Cabinet	Door	Drawers	Int. Dimensions H x D x W inches (mm)	Ext. Dimensions H x D x W inches (mm)	Ship Weight lb (kg)
BBR25D-1B BBR25D-2A*	24.8 (702)	120 (60) 230(50)	UL	9.0/15 (P1) 4/15 (P7-P8)	pass-thru	2 glass	7	59.8 x 24.8 x 29.5 (1514 x 629 x 749)	84 x 29 x 36 (2134 x 737 x 914)	560 (254)
BBR55D-1B BBR55D-2A*	55 (1558)	120 (60) 230(50)	UL	12.0/15 (P1) 6.1/15 (P7-P8)	pass-thru	4 glass	14	59.8 x 54.8 x 29.5 (1514 x 1391 x 749)	84 x 59 x 36 (2134 x 1499 x 914)	950 (431)

* Not CE marked

Optional Accessories: Blood Bank

Model No.	Description
7462TA	Additional extra drawer
7464TA	Shelf set for BBR25D models (5 shelves)
7476TA	Shelf set for BBR55D models (10 shelves)
7465TA	Additional shelf
7480TA	Right-hand hinge door, non controller side for model BBR25D
7477TA	Left-hand hinge door, controller side for model BBR25D

SPECIALTY REFRIGERATORS

Dual-Temperature Refrigerator/Freezer

Our **Jewett dual-temperature refrigerator/freezer combination units** offer the advantage of two laboratory-grade performance cabinets in a single, space-saving unit. Both sub-units are heavily insulated and controlled by a microprocessor temperature management system.



Biologics



Diagnostic Kits & Reagents



Vaccines & Pharma



Industrial Testing



Molecular Biology



Clinical Applications



Cabinet shown: dual temperature refrigerator/freezer combination (PRF17)

- Forced-air circulation for temperature uniformity
- Epoxy-coated steel exterior
- Stainless steel interior
- CFC-free, foamed-in-place, polyurethane insulation
- Self-closing door with magnetic gasket for a tight seal
- Chrome-plated door latches on each door with adjustable cylinder keyed locks
- Fluorescent interior lighting (refrigerator)
- Microprocessor temperature control, set to operate at 1 to 8°C; preset to 4°C (refrigerator), -20°C (freezer). Freezer portion is not settable but will run colder than -20°C under normal ambient conditions.
- Digital refrigerator temperature display
- Automatic defrost in both cabinets
- Heavy-duty, 1/3 H.P. hermetically-sealed condensing unit
- CFC-free R-404a / R-134a refrigerants
- 2" (51 mm) casters, front swivel and lock
- 1" (25mm) access port located on back of each cabinet
- Adjustable stainless steel refrigerator drawers (4" depth)
- Epoxy coated wire freezer shelves

Thermo Scientific Jewett Dual-Temperature Refrigerator/Freezer Combinations

Temperature Range: Refrigerator: +1°C to +8°C† / Freezer: -20°C†

Model No.	Cu.Ft. (L)	Voltage (Hz)	Certification	Amps/Breaker (Plug)	Cabinet	Door	Drawers or Shelves	Int. Dimensions H x D x W inches (mm)	Ext. Dimensions H x D x W inches (mm)	Ship Weight lb (kg)
PRF17-1B PRF17-2A	Ref: 11 (311.4) Frz: 4.7 (133)	120 (60) 230(50)	UL CE	8.1/15 (P1) 6/15 (P7-P8)	dual-temp	2 solid	Ref: 3 drawers Frz: 1 shelf	Ref: 34.5 x 24.8 x 24 (876 x 629 x 610) Frz: 14.5 x 24.8 x 24 (368 x 629 x 610)	73.9 x 29 x 30 (1876 x 737 x 762)	550 (249)

† Freezer portion is not settable but will run colder than -20°C under normal ambient conditions. Refrigerator portion is pre-set to +4°C.

Optional Accessories: Dual-Temperature

Model No.	Description
7463TA	Additional refrigerator drawer
7466TA	Additional freezer shelf
7470TA	Left door hinge
7472TA	Installed HemaPro™ 2000 surveillance center with display and alarms

SERVICES

Electrical Information

Thermo Scientific Jewett high-performance refrigerators and freezers are designed to meet UL and CE criteria for safety and performance. See ordering charts for certifications per specific voltages. All connections must comply with local electrical codes.

- Selection charts for each standard model list voltage, rated amperage, recommended circuit breaker size, and NEMA (National Electrical Manufacturers' Association, USA) electrical plug information
- Most refrigerators and freezers are supplied with line cord plugs, which require corresponding receptacles illustrated on the line cord plug reference chart to the right
- Site preparation requires availability of the proper receptacle; a dedicated circuit is required
- Special voltage selections may be available at extra cost and must be specified when ordering
- For questions regarding site preparation, installation and electrical connection, contact your sales representative

Certification of Calibration

Control, alarm and temperature recording systems are systematically calibrated at the factory for accurate performance. An optional Certificate of Calibration to an NIST (National Institute of Standards and Technology, formerly National Bureau of Standards) traceable instrument includes a Model Number and Serial Number Certificate (single point calibration). Multiple point calibration is also available. Calibration certificates must be requested when ordering; for details contact your sales representative.

Validation Testing Program















Validation testing services in advance of shipment can accelerate in-house FDA Installation Qualification (IQ) and Operation Qualification (OQ) programs. Validation services include documentation and performance reports, compressor and subsystem component specifications, microprocessor flow diagrams, software specifications and more. For more details, contact your sales representative.

Model No.	Services Description
7455TA	Temperature mapping of 24 hours at setpoint to include: <ul style="list-style-type: none"> • Mapping data graphed at each location • Thermocouple placement diagram • Test equipment list • Average uniformity and stability at specified cycle • Minimum, average and maximum temperatures at each thermocouple location • Uniformity and stability at each location
7456TA	Temperature mapping of 24 hours (traceable instruments and raw data) at setpoint to include: <ul style="list-style-type: none"> • Mapping data graphed at each location • Thermocouple placement diagram • Test equipment list utilizing Kaye Validator® thermal validation equipment • Calibration certificates of test equipment • Thermocouple calibration reports • Average uniformity and stability at specified cycle • Minimum, average and maximum temperatures at each thermocouple location • Uniformity and stability at each location
6916-2	Certificate of calibration at the time of sale
6916-7	Certificate of calibration, post-shipment

Standard Plug Option Configurations

Choose one of our specialty plugs to configure your freezer to meet local requirements

Note: Specialty plugs are not available for counter-high, pass-thru and dual-temperature Jewett models.

Model No.	Plug Description	Male End
Standard Plugs		
US125V20A	NEMA 5-20	
US230V15A	NEMA 6-15	
EU230V16A	Continental EU	
Specialty Plugs		
IT230V16A	Italy	
UK230V13A	Great Britain	
IN230V16A	India	
IS230V16A	Israel	
AU230V16A	Australia	
AU230V10A	Australia	
CH230V16A	China	
DK230V16A	Denmark	
AR230V16A	Argentina	
SW230V16A	Switzerland	
BR230V16A	Brazil	

Refrigerators and freezers supplied with line cord plugs (P) require corresponding receptacles illustrated in the Line Cord Plug Reference. Catalog selection charts list each standard model with voltage, rated amperage, recommended circuit breaker size and NEMA electrical plug information.

Thermo Scientific Smart-Vue with so much at stake, **obsessive is smart**

The Thermo Scientific™ Smart-Vue™ wireless monitoring solution safeguards the integrity of precious samples by continuously monitoring critical parameters of laboratory equipment and securely logging data to give you peace-of-mind. This wireless solution features audit trail traceability to assist with conformance to 21 CFR part 11, and other regulatory requirements.

Smart

Continuous, real-time monitoring of critical parameters – alerting you remotely when sample integrity is threatened

Scalable

Flexibility to grow with your expanding laboratory needs

Simple

Easy to install, use and maintain



For more information, contact your sales representative. Smart-Vue is not available in all Radio Frequency (RF) regions.

Note: Smart-Vue wireless monitoring kits are designed for first time users monitoring critical temperature parameters in ultra-low temperature freezers. Smart-Vue modules and sensors are available for temperature, RH, CO₂ concentration, differential pressure, 4-20mA output, ambient conditions and alarm/relay dry contacts. Solutions vary by RF regions worldwide and are compatible with multiple types of laboratory equipment. Please ask your sales representative to evaluate a Smart-Vue wireless monitoring solution that best meets your specific needs.





Learn more at thermofisher.com/cold

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