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VWR®

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VWR®

Freezers

and

Refrigerators



Pictured: VWR Signature™ chest # 14230-122,
VWR Signature™ upright # 14230-104

Safe, Reliable Cold Storage for the Laboratory

VWR® freezers and refrigerators are designed and manufactured to provide dependable storage and outstanding temperature stability for your valuable samples, reagents and materials.

Unlike traditional freezers and refrigerators that provide inadequate capacity and poor temperature uniformity, VWR freezers and refrigerators are designed specifically for laboratory applications.

They feature easy-to-use controls, durable construction for long life and powerful refrigeration systems for optimum cold storage performance.



VWR Freezers, Refrigerators and Combination Units

VWR Ultra-Low Temperature Chest and Upright Freezers

VWR Signature™ -86°C and VWR Standard -40°C/-86°C freezers are available in chest and upright configurations for a wide range of sample storage needs. High performance VWR Signature models are equipped with sophisticated control, alarm and monitoring systems, while standard models provide all that's required for cost-effective, reliable storage.

- Capacities to suit every laboratory
- Durable construction for long life
- Environmentally-friendly, CFC-free refrigerants and insulation
- Two year warranty
- Built to UL and cUL standards for safety and performance

VWR General Purpose Laboratory Freezers and Refrigerators

General purpose freezers, refrigerators and refrigerator/freezer combinations meet a wide range of temperature, space and capacity requirements for general-purpose storage.

- Foamed-in-place insulation for high performance and low operating costs
- Durable, white acrylic exteriors; seamless, easy-to-clean interiors
- Environmentally friendly, CFC-free refrigerants and insulation
- Hermetically-sealed compressors for quiet operation
- Built to UL and cUL standards for safety and performance

VWR Specialty Freezers, Refrigerators and Combination Units

VWR offers a variety of cold storage products for specialty applications, including flammable material storage, explosion-proof storage, and chromatography.

- Durable construction for long life
- Environmentally friendly, CFC-free refrigerants and insulation
- Hermetically-sealed compressors for quiet operation
- Built to UL and CUL standards for safety and performance



14230-104
VWR Signature™ Upright Freezer

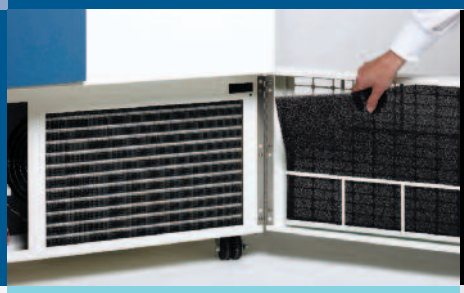


55703-065, 55703-430
Upright and Undercounter Freezers



55703-633
Explosion Proof Freezer

Easy Cleaning
The hinged grille swings out, exposing the foam air filter for cleaning or replacement.



Ease of Use
All VWR freezers have an ergonomically designed handle for easy, effortless freezer openings and closings. You can hold samples in one hand and open or close the freezer with the other.

Wipe Clean Interior
The wipe clean interior is designed for maximum sample integrity.





Green Tip
The fully-tested refrigeration system on VWR Signature and standard ultra-low temperature freezers improves temperature control for more consistent temperature cycling and increases reserve BTUH capacity, resulting in a more stable temperature and energy savings

VWR Signature™ Ultra-Low Temperature Freezers – Ergonomically Designed for Convenience and Easy Operation



Safe Storage
audible alarms alert to unsafe conditions.

Flexible configurations
with optional temperature recorders, safety back-up systems, remote alarms, inventory and storage systems

Easy operation
with one-handed, easy to grasp handle

Environmentally friendly
CFC-free refrigerants and insulation

Improved sample protection
Specially designed hermetic compressor(s) provide improved product protection, better temperature recovery times and increased heat removal.

At-a-glance monitoring
Advanced microprocessor control/monitoring system with centralized message center simplifies monitoring, programming and set-up of freezer parameters and conditions.

Easy door openings
Vacuum relief port on upright models causes pressure to equalize, allowing easy re-entry after door closings.

Rugged construction
Heavy-gauge, cold-rolled steel cabinet has a powder coat paint finish that resists chipping and rust.

Easy cleaning
Hinged grille swings out to expose the foam air filter for easy cleaning or replacement.

VWR Signature™ Upright Freezer Cat. # 14230-104.

VWR Signature™ Ultra-Low Temperature Freezers – proven performance for demanding storage needs

Fully featured VWR Signature chest and upright ULT freezers provide unsurpassed temperature stability for safe, reliable sample storage. Modern, ergonomic design ensures optimum functionality, convenience and ease of use.

- Stable temperatures from -50°C to -86°C
- Wide range of capacities from 3 to 28 cu. ft. where you can store up to 60,000 samples
- Audible alerts to unsafe conditions
- Automatic compensation for low voltage minimizes wear on compressor(s)
- Options and accessories for tailored solutions
- Advanced microprocessor control with centralized message center to simplify programming, set-up and monitoring
- Increased reserve of BTUH capacity resulting in greater energy-efficiency

User-friendly controls and optional chart recorders/dataloggers are conveniently located at eye level on uprights and within easy reach on chests.





Chest and upright freezers shown with optional circular chart recorders.

Cat. # 14230-122

Cat. # 97014-798

VWR Signature Upright Freezers

Temperature Range -50°C to -86°C						
Catalog Number	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions[1] H x W x D, cm (inches)	Electrical[2]	Amps	Ship Weight kg (lbs)
14230-104	368 (13)	131 x 58 x 49 (51.5 x 23 x 19.3)	198 x 85 x 79 (78 x 33.3 x 31)	120 V/60 Hz	16/20	313 (690)
14230-102	368 (13)	131 x 58 x 49 (51.5 x 23 x 19.3)	198 x 85 x 79 (78 x 33.3 x 31)	230 V/50/60 Hz	12/15	313 (690)
14230-106	490 (17.3)	131 x 58 x 64 (51.5 x 23 x 25.2)	198 x 85 x 94 (78 x 33.3 x 37)	120 V/60 Hz	16/20	358 (790)
14230-108	490 (17.3)	131 x 58 x 64 (51.5 x 23 x 25.2)	198 x 85 x 94 (78 x 33.3 x 37)	230 V/50/60 Hz	12/15	358 (790)
14230-110	650 (23)	131 x 78 x 64 (51.5 x 30.8 x 25.2)	198 x 104 x 94 (78 x 41 x 37)	230 V/50/60 Hz	12/15	390 (860)
53516-568	650 (23)	131 x 78 x 64 (51.5 x 30.8 x 25.2)	198 x 104 x 94 (78 x 41 x 37)	120 V/60 Hz	16/20	390 (860)
97014-798	793 (28)	131 x 93 x 69 (51.5 x 36.6 x 270	198 x 119 x 94 (78 x 47 x 37)	230 V/50/60 Hz	12/15	445 (980)

VWR Signature Chest Freezers

Temperature Range -50°C to -86°C						
Catalog Number	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions[1] H x W x D, cm (inches)	Electrical[2]	Amps	Ship Weight kg (lbs)
14230-112	85 (3)	42 x 47 x 47 (16.5 x 18.5 x 18.5)	111 x 72 x 73 (43.8 x 26.5 x 28.8)	120 V 60 Hz	10.5/15	159 (350)
14230-114	85 (3)	42 x 47 x 47 (16.5 x 18.5 x 18.5)	111 x 72 x 73 (43.8 x 26.5 x 28.8)	230 V 50/60 Hz	5.4/15	159 (350)
14230-122	359 (12.7)	71 x 108 x 47 (28 x 43.5 x 18.5)	103 x 183 x 73 (40.5 x 72 x 28.8)	120 V 60 Hz	16/20	338 (745)
14230-120	359 (12.7)	71 x 108 x 47 (28 x 43.5 x 18.5)	103 x 183 x 73 (40.5 x 72 x 28.8)	230 V 50/60 Hz	12/15	338 (745)
14230-130	566 (20)	71 x 169 x 47 (28 x 66.5 x 18.5)	103 x 244 x 73 (40.5 x 96 x 28.8)	120 V 60 Hz	16/20	386 (852)
14230-128	566 (20)	71 x 169 x 47 (28 x 66.5 x 18.5)	103 x 244 x 73 (40.5 x 96 x 28.8)	230 V 50/60 Hz	12/15	386 (852)

Continuing research and improvements may result in specification changes at any time. Freezers are UL Listed to Canadian and United States requirements (cULus) and bear the CE Mark.
1) Clearance requirements: for uprights, add 9 cm (3.5") to width for latch/hinge and 18 cm (7") for control panel bezel/wall spacer; for chests, add 20 cm (7.9") to depth for wall spacer/handle.
2) Operating range of 115 V units is 103-127 V, 120V units is 108-130 V, and 230 V units is 208-240 V.

VWR® Standard Low and Ultra-Low Temperature Freezers – cost-effective, reliable sample storage

VWR standard low and ultra-low temperature freezers deliver reliable performance, temperature stability and short or long-term storage protection when premium controls and alarm systems are not required.

- Stable temperatures from -10°C to -40°C (Low) or -50°C to -86°C (Ultra-Low)
- Wide range of capacities from 3 to 23 cu. ft.
- Microprocessor controller maintains constant temperatures
- Audible/visual alerts to unsafe conditions
- Automatic compensation for low voltage minimizes wear on compressor(s)
- Options and accessories for tailored solutions
- Increased reserve of BTUH capacity resulting in greater energy-efficiency



Upright and chest freezers, chest shown with optional circular chart recorder

Cat. # 14230-134

Cat. # 14230-142

VWR Standard Low Temperature Upright Freezers

Temperature Range -10°C to -40°C						
Catalog Number	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions[1] H x W x D, cm (inches)	Electrical[2]	Amps	Ship Weight kg (lbs)
14230-162	368 (13)	131 x 58 x 49 (51.5 x 23 x 19.3)	198 x 85 x 79 (78 x 33.3 x 31)	120 V/60 Hz	10/15	265 (585)
14230-164	368 (13)	131 x 58 x 49 (51.5 x 23 x 19.3)	198 x 85 x 79 (78 x 33.3 x 31)	230 V/50/60 Hz	6.5/15	265 (585)
14230-166	490 (17.3)	131 x 58 x 64 (51.5 x 23 x 25.2)	198 x 85 x 94 (78 x 33.3 x 37)	120 V/60 Hz	10/15	345 (760)
14230-168	490 (17.3)	131 x 58 x 64 (51.5 x 23 x 25.2)	198 x 85 x 94 (78 x 33.3 x 37)	230 V/50/60 Hz	6.5/15	345 (760)

VWR Standard Ultra-Low Temperature Upright Freezers

Temperature Range -50°C to -86°C						
Catalog Number	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions[1] H x W x D, cm (inches)	Electrical[2]	Amps	Ship Weight kg (lbs)
14230-134	368 (13)	131 x 58 x 49 (51.5 x 23 x 19.3)	198 x 85 x 79 (78 x 33.3 x 31)	120 V/60 Hz	16/20	313 (690)
14230-132	368 (13)	131 x 58 x 49 (51.5 x 23 x 19.3)	198 x 85 x 79 (78 x 33.3 x 31)	230 V/50/60 Hz	12/15	313 (690)
14230-136	490 (17.3)	131 x 58 x 64 (51.5 x 23 x 25.2)	198 x 85 x 94 (78 x 33.3 x 37)	120 V/60 Hz	16/20	358 (790)
14230-138	490 (17.3)	131 x 58 x 64 (51.5 x 23 x 25.2)	198 x 85 x 94 (78 x 33.3 x 37)	230 V/50/60 Hz	12/15	358 (790)
14230-140	650 (23)	131 x 58 x 64 (51.5 x 23 x 25.2)	198 x 104 x 94 (78 x 41 x 37)	230 V/50/60 Hz	12/15	390 (860)

VWR Standard Ultra-Low Temperature Chest Freezers

Temperature Range -50°C to -86°C						
Catalog Number	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions[1] H x W x D, cm (inches)	Electrical[2]	Amps	Ship Weight kg (lbs)
14230-142	85 (3)	42 x 47 x 47 (16.5 x 18.5 x 18.5)	111 x 72 x 73 (43.8 x 26.5 x 28.8)	115 V/60 Hz	10.5/15	159 (350)
14230-144	85 (3)	42 x 47 x 47 (16.5 x 18.5 x 18.5)	111 x 72 x 73 (43.8 x 26.5 x 28.8)	230 V/50 Hz	5.4/15	159 (350)
14230-160	566 (20)	71 x 169 x 47 (28 x 66.5 x 18.5)	103 x 244 x 73 (40.5 x 96 x 28.8)	120 V/60 Hz	16/20	386 (852)
14230-158	566 (20)	71 x 169 x 47 (28 x 66.5 x 18.5)	103 x 244 x 73 (40.5 x 96 x 28.8)	230 V/50/60 Hz	12/15	386 (852)

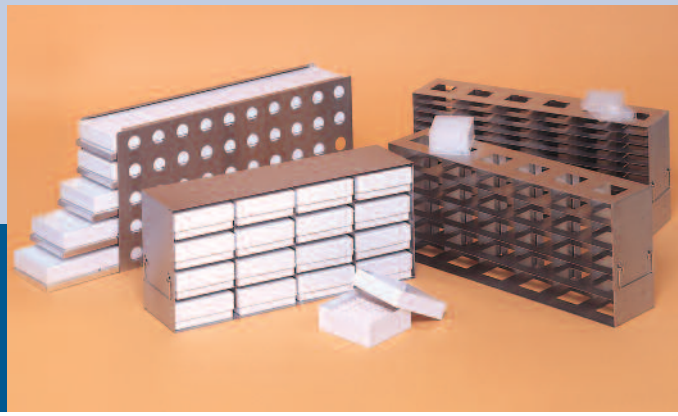
Continuing research and improvements may result in specification changes at any time. Freezers are UL Listed to Canadian and United States requirements (cULus) and bear the CE Mark.
1) Clearance requirements: for uprights, add 9 cm (3.5") to width for latch/hinge and 18 cm (7") for control panel bezel/wall spacer; for chests, add 20 cm (7.9") to depth for wall spacer/handle.
2) Operating range of 115 V units is 103-127 V, 120V units is 108-130 V, and 230 V units is 208-240 V.

VWR® Low and Ultra-Low Temperature Freezer Accessories

Accessories for VWR low and ultra-low temperature freezers allow you to take full advantage of storage space as well as tailor the freezer to meet your specific requirements.

- Inventory systems
- Storage boxes and dividers
- Temperature recorders
- Safety back-up systems
- Remote alarms

...and more



Accessories include a wide range of racks, boxes and dividers to maximize storage efficiency

Inventory Control Systems

For Upright Freezers

Catalog Number	Rack Description (Dimensions = H x W x D), cm (inches)	Number of Racks Needed for Maximum Capacity 13 cu. ft.	17.3 cu. ft.	23 cu. ft.	28 cu. ft.
	Rack with handle and adjustable shelves 27.7 x 14 x 41.9 (10.9 x 5.5 x 16.5)				
25000-066	9 position rack with 3" boxes	16	–	–	–
25000-082	9 position rack without 3" boxes	16	–	–	–
25000-070	15 position rack with 2" boxes	16	–	–	–
25000-086	15 position rack without 2" boxes	16	–	–	–
	Rack with handle and adjustable shelves 27.7 x 14 x 55.9 (10.9 x 5.5 x 22)				
25000-072	12 position rack with 3" boxes	–	16	20	–
25000-088	12 position rack without 3" boxes	–	16	20	–
25000-074	20 position rack with 2" boxes	–	16	20	–
25000-090	20 position rack without 2" boxes	–	16	20	–
	Microplate rack with handle				
25000-094	30 position deepwell microplate rack 24.4 x 14 x 55.9 (9.6 x 5.5 x 22)	–	16	20	–
25000-096	36 position deepwell microplate rack 30.5 x 14 x 55.9 (12 x 5.5 x 22)	–	16	20	–
25000-098	66 position microplate rack 24.4 x 14 x 55.9 (9.6 x 5.5 x 22)	–	16	20	–
	Rack with sliding drawers 30.2 x 14 x 42.2 (11.9 x 5.5 x 16.4)				
14230-200	Rack with (15) 2" boxes	16	–	–	–
14230-202*	Rack without 2" boxes	16	–	–	–
14230-204	Rack with (9) 3" box	16	–	–	–
14230-206	Rack without 3" boxes	16	–	–	–
	Rack with sliding drawers 30.2 x 14 x 55.9 (11.9 x 5.5 x 22)				
14230-208	Rack with (20) 2" boxes	–	16	20	–
14230-210*	Rack without 2" boxes	–	16	20	–
14230-212	Rack with (12) 3" boxes	–	16	20	–
14230-214	Rack without 3" boxes	–	16	20	–
	Rack with sliding drawers 30.2 x 14 x 66.8 (11.9 x 5.5 x 26.3)				
97018-458	Rack without (25) 2" boxes	–	–	–	24
97018-462	Rack without (15) 3" boxes	–	–	–	24

**Rack capacity: 60 standard or 20 deepwell microplates in 13 cu. ft. uprights and 90 standard or 30 deepwell microplates in 17.3 and 23 cu. ft. uprights.*

Inventory Control Systems

For Chest Freezers						
Catalog Number	Rack Description (Dimensions = H x W x D), cm (inches)	Number of Racks Needed for Maximum Capacity 3 cu. ft.	6.7 cu. ft.	12.7 cu. ft.	17 cu. ft.	20 cu. ft.
	Rack with handle 40.6 x 14 x 14 (16 x 5.5 x 5.5)					
25000-060	5 position rack with 3" boxes	9	18			
25000-076	5 position rack without 3" boxes	9	18			
25000-062	7 position rack with 2" boxes	9	18			
25000-078	7 position rack without 2" boxes	9	18			
	Rack with handle 67.3 x 14 x 14 (26.5 x 5.5 x 5.5)					
25000-064	8 position rack with 3" boxes			21	29	33
25000-080	8 position rack without 3" boxes			21	29	33
25000-068	12 position rack with 2" boxes			21	29	33
25000-084	12 position rack without 2" boxes			21	29	33
	Microplate rack with handle 65.5 x 13.5 x 9.1 (25.8 x 5.3 x 3.6)					
25000-092	27 position microplate rack			33	48	51

Storage Boxes and Cell Dividers for Boxes

Catalog Number	Description
25000-134	2" box with 81 cell divider 13.5 x 13.5 x 5.1 (5.3 x 5.3 x 2)
25000-136	3" box with 81 cell divider 13.5 x 13.5 x 7.6 (5.3 x 5.3 x 3)
25000-138	16 cell divider, 1.22" nominal opening
25000-140	25 cell divider, 0.98" nominal opening
25000-142	49 cell divider, 0.70" nominal opening
25000-144	64 cell divider, 0.61" nominal opening
25000-146	81 cell divider, 0.54" nominal opening
25000-148	100 cell divider, 0.49" nominal opening

Remote Alarms

Catalog Number	Description
25000-128	Audible signal; 120 V/60 Hz
25000-130	Audible/visual signals; 120 V/60 Hz
25000-132	Audible/visual signals; 230 V/50/60Hz

Telephone Dialing Systems

Catalog Number	Description
13305-300	Four channel system, monitors up to four inputs and dials up to four different telephone numbers; 120 V/60 Hz; 5.1 x 19.8 x 21.8 (2 x 7.8 x 8.6)); factory installed
13305-302	Same as No. 13305-300 but monitors up to eight inputs and dials up to eight different telephone numbers

Safety Back-Up Systems

Catalog Number	Description
14230-170	Deluxe CO_2 back-up system with hose and fittings, factory installed
14230-172	Deluxe CO_2 back-up system with hose and fittings, customer installed*
14230-174	LN_2 back-up system with hose and fittings, factory installed
14230-176	LN_2 back-up system with hose and fittings, customer installed*
25000-112	CO_2 cylinder wall clamp

Temperature Recorders

Catalog Number	Description
14230-178	Built-in 6", 7 day circular chart recorder, -100˚C to 38˚C, single pen, customer installed*
14230-180	Built-in 6", 7 day circular chart recorder, -100˚C to 38˚C, single pen, factory installed
14230-196	Built-in digital datalogger,** -90˚C to 140˚C, customer installed*
14230-198	Built-in digital datalogger,** -90˚C to 140˚C, factory installed
25000-124	Paper for No. 14230-178 and 14230-180 recorders
14231-832	Red felt-tip pen for chart recorders

Data Outputs and Sample Probes for Signature Series Freezers

Catalog Number	Description
14230-182	RS-232, 0-1 V, factory installed
14230-184	RS-232, 0-5 V, factory installed
14230-186	RS-485, 4-20 mA, factory installed
14230-188	RS-485, 0-1V, factory installed
14230-190	RS-485, 0-5V, factory installed
14230-192	Sample probe kit for VWR Signature™ Series uprights, customer installed*
14230-194	Sample probe kit for VWR Signature Series uprights, factory installed

Inner Doors for -40°C Uprights

Catalog Number	Description
25000-150	Four interior compartment doors, factory installed

* *Must be installed by qualified personnel.*

** *Dataloggers meet the following U.S. Food and Drug Administration (FDA) guidelines: cGLP 21 CFR Part 58, Software Validation 21 CFR Part 820, and Electronic Records 21 CFR Part 11.*

VWR® General Purpose Laboratory Freezers and Refrigerators – the economical choice for non-critical storage

VWR general purpose freezers, refrigerators and refrigerator/freezer combinations are ideal for all-around, non-critical lab applications.

They provide versatile, cost-effective storage and are rugged enough for everyday use. Models are available to meet a wide range of temperature, space and capacity requirements.

- Freezer temperature range of -12°C to -20°C
- Freezer capacities from 5 to 30.4 cu. ft.
- Refrigerator temperature range of +2°C to +10°C
- Refrigerator capacities from 20.7 to 31.1 cu. ft.
- Combination units span tabletop, undercounter, single and double door models



Combination Unit (left) and Freezer (right)

Cat. # 55703-065

Cat. # 55703-430

VWR General Purpose Upright Laboratory Freezers

Temperature Range -12°C to -20°C; Factory Preset -20°C

Catalog Number	Doors	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions H x W x D, cm (inches)	Electrical	Amps	Ship Weight kg (lbs)
55703-510	1	141 (5)	74 x 48 x 50 (29 x 18.8 x 19.5)	85 x 54 x 67 (33.5 x 21.3 x 26.5)	120 V/60 Hz	1.4	38 (84)
55703-429	1	453 (16)	128 x 64 x 56 (50.5 x 25.3 x 22)	155 x 76 x 80 (61 x 30 x 31.4)	120 V/60 Hz	2.0	107 (235)
55703-430	1	586 (20.7)	146 x 71 x 56 (58 x 28 x 22)	170 x 84 x 77 (67 x 33 x 30.4)	120 V/60 Hz	2.0	114 (250)
55703-432[1]	1	861 (30.4)	161 x 81 x 66 (63.5 x 32 x 26)	192 x 90 x 86 (75.5 x 35.5 x 34)	120 V/60 Hz	9.0	159 (350)

1) Casters standard – "Auto Defrost"

VWR General Purpose Chest Laboratory Freezers

Temperature Range -21°C to -4°C (Models 55700-371, 55700-372); -28°C to -18°C (Models 55700-385, 55700-383)

Catalog Number	Doors	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions H x W x D, cm (inches)	Electrical	Amps	Ship Weight kg (lbs)
55700-371	1	198 (7)	71 x 67 x 42 (28 x 26.25 x 126.5)	89 x 80 x 62 (35 x 31.5 x 24.5)	115 V/60 Hz	2.3	57 (125)
55700-372	1	198 (7)	71 x 67 x 42 (28 x 26.25 x 126.5)	89 x 80 x 62 (35 x 31.5 x 24.5)	240 V/50 Hz	1.2	57 (125)
55700-385	1	510 (18)	71 x 128 x 57 (28 x 50.25 x 22.25)	89 x 156 x 75 (35 x 61.25 x 29.5)	115 V/60 Hz	4.3	91 (200)
55700-383	1	510 (18)	71 x 128 x 57 (28 x 50.25 x 22.25)	89 x 156 x 75 (35 x 61.25 x 29.5)	240 V/50 Hz	2.2	91 (200)

1) Casters standard – "Auto Defrost"

VWR General Purpose Laboratory Refrigerators

Temperature Range +2°C to +10°C; Factory Preset +4°C

Catalog Number	Doors	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions H x W x D, cm (inches)	Electrical	Amps	Ship Weight kg (lbs)
55700-390	2	368 (13)	152 x 51 x 42 (60 x 20 x 16.5)	185 x 60 x 60 (73 x 23.5 x 23.5)	120 V/60 Hz	1.8	100 (220)
55703-076	1	586 (20.7)	146 x 71 x 56 (58 x 28 x 22)	170 x 84 x 77 (67 x 33 x 30.4)	120 V/60 Hz	5	114 (250)
55703-078[1]	1	827 (29.2)	165 x 81 x 66 (65.1 x 32 x 26)	194 x 89 x 86 (76.2 x 35 x 33.9)	120 V/60 Hz	5.7	159 (350)
55703-120[1,2]	1	881 (31.1)	161 x 81 x 61 (63.2 x 32 x 24)	194 x 92 x 81 (76.3 x 36.3 x 31.8)	120 V/60 Hz	7.2	159 (350)

1) Casters standard. 2) Glass door.

VWR General Purpose Laboratory Refrigerator/Freezer Combinations

Temperature Range +2°C to +10°C; Factory Preset +4°C (Refrigerator), -12°C to -20°C; Factory Preset -20°C (Freezer)

Catalog Number	Doors Liters (cu. ft.)	Volume H x W x D, cm (inches)	Interior Dimensions	Exterior Dimensions H x W x D, cm (inches)	Electrical	Amps	Ship Weight kg (lbs)
55703-054	1	6 (0.2) Frz 43 (1.5) Ref	12 x 26 x 28 (4.8 x 10.3 x 11) Frz 40 x 43 x 36 (15.8 x 16.8 x 14.2) Ref	53 x 50 x 51 (20.7 x 19.7 x 20)	120 V/60 Hz	1.5	18 (40)
55703-065	1	14 (0.5) Frz 144 (5.1) Ref	13 x 45 x 38 (5.2 x 17.8 x 14.9) Frz 53 x 48 x 50 (21 x 19 x 19.5) Ref	85 x 54 x 66 (33.6 x 21.4 x 25.8)	120 V/60 Hz	0.9	35 (78)
55703-446	2	68 (2.4) Frz 249 (8.8) Ref	33 x 47 x 43 (13.0 x 18.5 x 17) Frz 114 x 52 x 46 (44.9 x 20.5 x 18) Ref	170 x 60 x 62 (67 x 23.5 x 24.5)	120 V/60 Hz	1.5	69 (151)

Note: Published interior volumes are nominal, useable cu. ft. capacities may be offset by shelves, drawers, blower coils or cabinet protrusions.

VWR® Flammable Material Storage Freezers and Refrigerators – safe storage for volatile substances

VWR flammable material storage refrigerators, freezers and refrigerator/freezer combinations are engineered without the internal electrical components that could potentially trigger a fire. All units comply with OSHA and National Fire Protection Association safety requirements.

- Wide range of models, with temperature ranges and capacities to suit a variety of storage needs
- Externally-mounted thermostat and isolated compressor components ensure that interiors are spark proof
- Non-sparking magnetic vinyl gaskets provide a positive door seal



Flammable Material Freezer

Cat. # 55703-531

VWR Flammable Material Storage Freezers

Temperature Range -12°C to -20°C; Factory Preset -20°C							
Catalog Number	Doors	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions H x W x D, cm (inches)	Electrical	Amps	Ship Weight kg (lbs)
55703-514	1	141 (5)	74 x 48 x 50 (29 x 18.8 x 19.5)	85 x 54 x 67 (33.5 x 21.3 x 26.5)	120 V/60 Hz	1.4	38 (84)
55703-520	1	453 (16)	128 x 64 x 56 (50 x 25.3 x 22)	155 x 76 x 85 (61 x 30 x 33.5)	120 V/60 Hz	2.0	107 (235)
55703-531	1	586 (20.7)	146 x 71 x 56 (58 x 28 x 22)	170 x 84 x 82 (67 x 33 x 32.3)	120 V/60 Hz	2.0	114 (250)

VWR Flammable Material Storage Refrigerator

Temperature Range +2°C to +10°C; Factory Preset +4°C							
Catalog Number	Doors Liters (cu. ft.)	Volume H x W x D, cm (inches)	Interior Dimensions	Exterior Dimensions H x W x D, cm (inches)	Electrical	Amps	Ship Weight kg (lbs)
55703-178	1	586 (20.7)	146 x 71 x 56 (58 x 28 x 22)	170 x 84 x 82 (67 x 33 x 32.3)	120 V/60 Hz	1.4	114 (250)
55700-368	2	368 (13)	152 x 51 x 42 (60 x 20 x 16.5)	185 x 60 x 60 (73 x 23.5 x 23.5)	120 V/60 Hz	1.8	100 (220)

VWR Flammable Material Storage Refrigerator/Freezer Combinations

Temperature Range: Model 55703-134: +2°C to +10°C; Factory Preset +4°C (Refrigerator), Uncontrolled (Freezer). Model 55703-444: +2°C to +4°C; Factory Preset +4°C (Refrigerator), -14°C to -20°C; Factory Preset -17°C (Freezer)							
Catalog Number	Doors	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions H x W x D, cm (inches)	Electrical	Amps	Ship Weight kg (lbs)
55703-134	1	14 (0.5) Frz 144 (5.1) Ref	13 x 45 x 38 (5.2 x 17.8 x 14.9) Frz 53 x 48 x 50 (21 x 19 x 19.5) Ref	85 x 54 x 66 (33.6 x 21.4 x 25.8)	120 V/60 Hz	0.9	35 (78)
55703-444	2	68 (2.4) Frz 249 (8.8) Ref	33 x 47 x 43 (13.0 x 18.5 x 17) Frz 114 x 52 x 46 (44.9 x 20.5 x 18) Ref	170 x 60 x 64 (67 x 23.5 x 25.4)	120 V/60 Hz	1.5	69 (151)
Temperature Range: +1°C to +8°C (Refrigerator), -20°C to -12°C (Freezer)							
Catalog Number	Doors	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions H x W x D, cm (inches)	Electrical	Amps	Ship Weight kg (lbs)
47747-222	2	286 (10.1)	30 x 46 x 41 (12 x 18 x 16.25) Frz 91 x 50 x 46 (39 x 19.5 x 18) Ref	152 x 60 x 74 (60 x 23.5 x 29.25)	120 V/60 Hz	2.1	68 (150)
47747-224	2	286 (10.1)	30 x 46 x 41 (12 x 18 x 16.25) Frz 91 x 50 x 46 (39 x 19.5 x 18) Ref	152 x 60 x 74 (60 x 23.5 x 29.25)	240 V/50 Hz	1.5	68 (150)

Note: Published interior volumes are nominal, useable cu. ft. capacities may be offset by shelves, drawers, blower coils or cabinet protrusions.

VWR® Explosion-Proof Freezers and Refrigerators – maximum safety in the workplace

VWR explosion-proof freezers, refrigerators and combinations prevent the triggering of an explosion inside or outside of the cabinet. Designed to provide maximum storage safety for volatile materials, units meet SHA/National Fire Protection Association safety standards and are suitable for Class 1, Group C and Group D hazardous material environments.

- Wide range of models, with temperature ranges and capacities to suit a variety of storage needs
- Safe, spark-proof interiors
- Steel-encased electrical components eliminate ignition sources inside and outside of the cabinet
- Non-sparking magnetic vinyl gaskets provide a positive door seal



Explosion Proof Freezer

Cat. # 55703-633

VWR Explosion Proof Freezers

Temperature Range -12°C to -20°C; Factory Preset -20°C							
Catalog Number	Doors	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions H x W x D, cm (inches)	Electrical	Amps	Ship Weight kg (lbs)
55703-512	1	141 (5)	74 x 48 x 50 (29 x 18.8 x 19.5)	85 x 54 x 73 (33.5 x 21.3 x 28.8)	120 V/60 Hz	1.4	38 (84)
55703-622	1	453 (16)	128 x 64 x 56 (50.5 x 25.3 x 22)	155 x 76 x 91 (61 x 30 x 35.9)	120 V/60 Hz	2.0	107 (235)
55703-633	1	586 (20.7)	146 x 71 x 56 (58 x 28 x 22)	170 x 84 x 89 (67 x 33 x 34.9)	120 V/60 Hz	2.0	114 (250)

VWR Explosion Proof Refrigerator

Temperature Range +2°C to +10°C; Factory Preset +4°C							
Catalog Number	Doors	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions H x W x D, cm (inches)	Electrical	Amps	Ship Weight kg (lbs)
55703-236	1	586 (20.7)	146 x 71 x 56 (58 x 28 x 22)	170 x 84 x 89 (67 x 33 x 34.9)	120 V/60 Hz	1.8	114 (250)

VWR Explosion Proof Refrigerator/Freezer Combinations

Temperature Range: Model 55703-190: +2°C to +10°C; Factory Preset +4°C (Refrigerator), Uncontrolled (Freezer). Model 55703-442: +2°C to +4°C; Factory Preset +4°C (Refrigerator), -14°C to -20°C; Factory Preset -17°C (Freezer)							
Catalog Number	Doors	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions H x W x D, cm (inches)	Electrical	Amps	Ship Weight kg (lbs)
55703-190	1	14 (0.5) Frz 144 (5.1) Ref	13 x 45 x 38 (5.2 x 17.8 x 14.9) Frz 53 x 48 x 50 (21 x 19 x 19.5) Ref	85 x 54 x 74 (33.6 x 21.4 x 29)	120 V/60 Hz	0.9	35 (78)
55703-442	2	68 (2.4) Frz 249 (8.8) Ref	33 x 47 x 43 (13.0 x 18.5 x 17) Frz 114 x 52 x 46 (44.9 x 20.5 x 18) Ref	170 x 60 x 71 (67 x 23.5 x 27.8)	120 V/60 Hz	1.5	69 (151)
Temperature Range: +2°C to +10°C (Refrigerator), -20°C to -12°C (Freezer)							
Catalog Number	Doors	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions H x W x D, cm (inches)	Electrical	Amps	Ship Weight kg (lbs)
47747-226	2	286 (10.1)	30 x 46 x 41 (12 x 18 x 16.25) Frz 90 x 50 x 46 (39 x 19.5 x 18) Ref	152 x 60 x 77 (60 x 23.5 x 30.5)	120 V/60 Hz	2.1	68 (150)
47747-228	2	286 (10.1)	30 x 46 x 41 (12 x 18 x 16.25) Frz 90 x 50 x 46 (39 x 19.5 x 18) Ref	152 x 60 x 77 (60 x 23.5 x 30.5)	240 V/50 Hz	1.5	68 (150)

Note: Published interior volumes are nominal, useable cu. ft. capacities may be offset by shelves, drawers, blower coils or cabinet protrusions.

VWR Signature™ Chromatography Refrigerators – superior temperature uniformity and recovery

VWR Signature chromatography refrigerators offer plenty of space inside the cabinet for control apparatus and chromatography instrumentation. Units are equipped with automatic defrost systems, built-in condensate evaporators, a vapor-proof duplex outlet and two access ports for media or probes.

- Temperature range of +2°C to +10°C, factory pre-set to +4°C
- Microprocessor control system with digital temperature display
- Full-view glass doors with closed cell door gaskets to eliminate condensation
- Illuminated interior for high visibility
- Keyed on/off power switch for added security



Model shown with optional chart recorder

Cat. # 53703-660

VWR Signature Chromatography Refrigerators

Temperature Range +2°C to +10°C; Factory Preset +4°C							
Cat. Number	Door Type	Volume Liters (cu. ft.)	Interior Dimensions H x W x D, cm (inches)	Exterior Dimensions H x W x D, cm (inches)	Electrical	Amps	Ship Weight kg (lbs)
55703-656	Single, swinging	826 (29.2)	147 x 76 x 73 (58 x 30 x 29)	201 x 87 x 92 (79 x 34 x 36)	115 V/60 Hz	9.4	197 (435)
55703-660	Double, sliding	1297 (45.8)	147 x 133 x 66 (58 x 52.5 x 26)	201 x 144 x 84 (79 x 56.5 x 33)	115 V/60 Hz	15.0	304 (670)
55703-245	Single, swinging	659 (23.3)	147 x 61 x 73 (58 x 24 x 29)	201 x 72 x 92 (79 x 28 x 36.2)	115 V/60 Hz	9.4	193 (425)
55703-252	Double, swinging	1447 (51.1)	147 x 133 x 73 (58 x 52.5 x 29)	201 x 144 x 92 (79 x 56.5 x 36.2)	115 V/60 Hz	15.0	263 (580)

Note: Published interior volumes are nominal, useable cu. ft. capacities may be offset by shelves, drawers, blower coils or cabinet protrusions.

VWR Signature Refrigerator and Freezer Accessories

Cat. Number	Description
14228-348	Full shelf for 659, 1288 and 1458 L (23.3, 45.5, and 51.5 cu. ft.) models
14228-344	Full shelf for 827 L (29.2 cu. ft.) models
14228-346	Half shelf for 659, 1288, and 1458 L (23.3, 45.5, and 51.5 cu. ft.) models
55702-841	Temperature Alarm System*
55702-630	Recorder Chart Paper, 25 to -40°C

** Must be factory-installed*

Safe, Reliable Cold Storage for the Laboratory

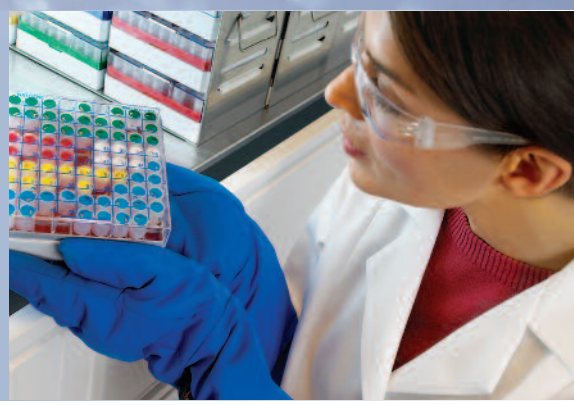
VWR® freezers and refrigerators are designed and manufactured in the United States to provide dependable storage and outstanding temperature stability for your valuable samples, reagents and materials.



Cat. # 97014-798







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