

Delfield[®] SCIENTIFIC Scientific Line

Self-Contained Glass Door Reach-In Chromatography Refrigerator

Project _____
Item _____
Quantity _____
CSI Section 11400
Approved _____
Date _____

Scientific Line: Self-Contained Glass Door Reach-In Chromatography Refrigerator

Models

One Section	Two Section	Three Section	
LSR1C-G	LSR2C-G	LSR3C-G	Stainless exterior and interior with full glass door
LAR1C-G	LAR2C-G	LAR3C-G	Stainless exterior and aluminum interior with full glass door
LMR1C-G	LMR2C-G	LMR3C-G	Stainless front, aluminum sides and interior with full glass door



LSR2C-G

Standard Features

- Ducted airflow left to right air movement
- Microprocessor control with RS485 port
- Glycol filled product simulator bottle
- Two 2 1/2" access ports, one on each side
- Interior electrical receptacle, one per section
- Built in door locks with heavy duty strikes
- Full length quick grip metal door handle
- Pressure relief valve is standard to prevent door vapor lock
- Expansion valve refrigeration system provides quick recovery after door openings
- L.E.D. digital temperature readout on easy-view front panel
- Each provided with two (2) half shelves. Two section models also receive two (2) full size shelves, three section models receive four (4) full size shelves
- Temperature range of 2°C to 4°C
- Illuminated interior for clear visibility
- Stainless steel breaker strips
- High density foamed in place environmentally friendly, Kyoto Protocol Compliant, Non ODP (Ozone Depletion Potential), Non GWP (Global Warming Potential) polyurethane

keeps energy costs low

- Energy savings door heater switch
- Heavy-duty 3" (4" ride height) casters; front casters with brakes and swivel, shipped loose
- Made in the USA
- Adaptive defrost
- +/- 2°C tight tolerance
- 7/8" access port

Options & Accessories

- Additional epoxy-coated wire shelf
- Temperature recorder
- Alarm/monitor system
- Recorder charts and pens
- Chart # 1120-061 (-17°C to 38°C)
- Chart # 1120-062 (0°C to -60°C)
- Ink pen set # 1120-025

Specifications

Exterior: LS and LA models shall have corrosion resistant stainless steel exterior cabinet sides, front and shroud. LM models shall have corrosion resistant aluminum on exterior cabinet sides and will have stainless front and shroud.

Interior: Cabinet interior shall be corrosion resistant stainless steel (LS models) or heavy gauge aluminum (LA and LM models). Bottom and top surfaces shall be die stamped to provide radius corners and recessed floor. Epoxy coated wire shelves rest on clips which are adjustable on 1" increments on stainless steel pilasters affixed to the cabinet interior. Pilasters are removable without tools for cleaning. A fluorescent light is mounted to the interior ceiling of each compartment, the switch is part of the light assembly. Door openings are protected with heavy gauge stainless steel breaker strips. An air duct shall be mounted to the ceiling assuring low velocity, even air movement throughout the cabinet interior.

Doors: Triple paned tempered thermopane glass. Each door has two edgemount, self-closing, cam lift style hinges. Door handle is continuous along vertical dimension of the door. Door gaskets are magnetic and mount to the door, snapping in place and removable with out tools. Keyed door lock is mounted to the door. Lock engages into a heavy duty strike mounted to the cabinet face.

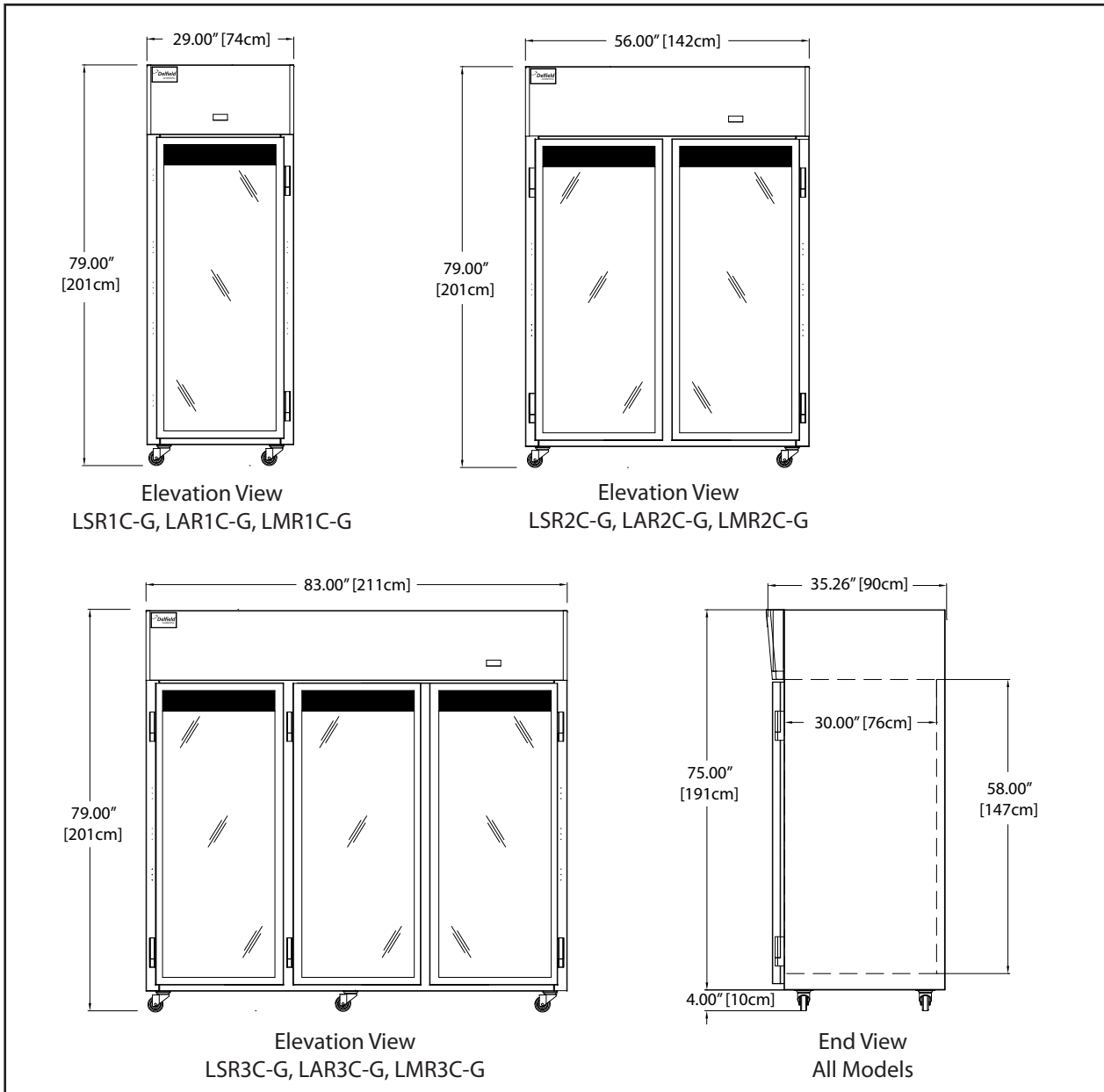
Refrigeration system: All components are mounted to the exterior of the cabinet ceiling. Environmentally friendly R404A refrigerant is used. The system has the capability of maintaining between 2°C and 4°C. Refrigerant is metered using a highly responsive thermostatic expansion valve. System is controlled using Delfield's microprocessor electronic temperature control, which provides improved pull down times, reduces compressor cycling and longer compressor life with lower energy consumption. Control system uses **adaptive defrost** to assure evaporator coil is free of ice and is operating at optimum efficiency. Evaporator condensate is eliminated using an energy efficient hot gas system.

Electrical: Standard electrical connections shall be 115V, 60 Hz single phase. There is a 115V 60Hz receptacle inside each section of the cabinet. Two 10' cords and plugs are supplied and attached to a junction box mounted on the exterior top of the cabinet.

NOTE: This equipment is designed for use in locations with heat and air conditioning, where temperature and relative humidity at 21°C and 50% relative humidity.

Warranty included is a 2 year parts and labor warranty with an additional 3 years parts warranty on the compressor (5 total years parts on the compressor).





Specifications

Models	# of Shelves	Shelf Ft ²	Interior Ft ³	H.P.	BTU/ Hr	Ship Weight	Circuit	V/Hz/Ph	Amps	Min. Circuit Amp	NEMA Plug
LSR1C-G LAR1C-G LMR1C-G	24.96	4.16	24.96	1/4	2092	418lbs 190kg	Cabinet	115/60/1	6.0	15	5-15P
							Receptacles	115/60/1	NA	NA	5-15P GFCI
LSR2C-G LAR2C-G LMR2C-G	51.92	12.7	51.92	1/3	3226	650lbs 295kg	Cabinet	115/60/1	9.5	15	5-15P
							Receptacles	115/60/1	NA	NA	5-15P GFCI
LSR3C-G LAR3C-G LMR3C-G	78.89	21.24	78.89	1/2	5465	830lbs 376kg	Cabinet	115/60/1	14.5	20	5-20P
							Receptacles	115/60/1	NA	NA	5-15P GFCI

Delfield reserves the right to make changes to the design or specifications without prior notice.