TSG Series General Purpose Refrigerators and Freezers

Reliable sample storage and protection

Designed for your everyday laboratory needs

The Thermo Scientific™ TSG Series general purpose laboratory refrigerators, chromatography refrigerators, and laboratory freezers are designed with your needs in mind. The TSG series is ideal for the demanding requirements of daily use in research, clinical, and industrial laboratories storing reagents, media, proteins, and samples used daily in the lab.

The TSG Series of general purpose cold storage products is built with the performance, security, and quality features you have come to expect from Thermo Scientific:

- EPA ENERGY STAR® certified

- Whisper-quiet refrigeration systems

- Safety sensor protected interior outlet on chromatography models

- Temperature, power failure, and door ajar alarms

- Green, natural refrigerants

- 2 year parts and labor, plus 3 year compressor warranty

TSG Series Single Glass
Door Refrigerator

TSG Series Double Solid Door
Refrigerator

TSG Series Triple Glass Door Refrigerator

Built with the performance, security, and quality you've come to expect

Keyed door lock

Interior Outlet (option)

Performance

- Refrigerators: 2° to 10°C cabinet temperature range (5°C factory setpoint)

- Freezers -12° to -30°C cabinet temperature range (-23°C factory setpoint)

- 51 dBA whisper-quiet operation

- Low heat output

- Adaptive defrost

- Digital controller

- ENERGY STAR certified

- Green refrigerants

Security

- High and Low temperature alarms (audible and visual)

- Door ajar alarm (except sliding glass door models)

- Power failure alarm with battery back-up

- Remote alarm contacts

- Keyed door locks

- Hydrocarbon safety sensor protected interior duplex outlet (chromatography models only)

Quality

- 2 years parts and labor, plus 3 year compressor warranty

- cULus certified

- Refrigerators: painted steel exterior in white or gray

- Freezers: Painted steel exterior, stainless steel door

- Stainless steel interior available on some models

- Reduced compressor cycle time improves reliability

Thermo Scientific TSG Series Refrigerators

Double Glass Door options

Solid and Glass Single Door options

TSG Series General Purpose Refrigerators are designed with your laboratory in mind, combining the performance, security, and quality required for everyday laboratory applications.

- Featuring a wide range of cabinet sizes from 12 cu. ft. to 72 cu. ft.
- Whisper-quiet operation at 51 dBA
- ENERGY STAR certified
- Adaptive defrost
- Glass (double pane) or solid door configurations
- Choice of white painted interior and exterior, or stainless steel interior and gray exterior
- LED interior lighting
- Temperature, door ajar, and power failure (with battery back-up) alarms
- Digital controller
- Low heat output
- Rear access port
- Keyed door lock(s)

TSG Series General Purpose Refrigerators

Model no.	Temp. range (setpoint)	Capacity cu. ft. (liters)	Electrical (plug)	Doors	Exterior/ Interior Color	Shelves	Defrost	Certification	Exterior dimensions D x W x H in. (mm)	Interior dimensions D x W x H in. (mm)	Shipping weight lbs. (kg)
TSG12RPGA	2–10°C (5°C)	12 (339)	115V, 60Hz (NEMA 5-15)		white/ white		Adaptive	cULus, ENERGY STAR	25 x24.75 x 75.8 (635 x 629 x 1926)	20.75 x 21 x 45.75 (527 x 533 x 1162)	230 (105)
TSG25RPGA		23 (651)		1 Glass		4			32 x 27.75 x 81 (813 x 705 x 2057)	28.5 x 24 x 61.75 (724 x 610 x 1569)	392 (178)
TSG30RPGA		27 (764)							32 x 30.75 x 81 (813 x 781 x 2057)	28.5 x 27 x 61.75 (724 x 686 x 1569)	386 (175)
TSG45RPLA		45 (1274)		2 Slide Glass		8			32 x 52.7 x 81 (813 x 1339 x 2057)	27 x 49 x 61.75 (686 x 1245 x 1569)	561 (255)
TSG49RPGA		49 (1387)		2 Glass							597 (271)
TSG72RPGA		72 (2038)		3 Glass		12			32 x 75.7 x 81 (813 x 1924 x 2057)	28.5 x 72 x 61.75 (724 x 1829 x 1569)	733 (332)
TSG25RPSA	2–10°C (5°C)	23 (651)	115V, 60Hz (NEMA 5-15)	1 solid	white/ white	4	Adaptive	cULus, ENERGY STAR	32 x 27.75 x 81 (813 x 705 x 2057)	28.5 x 24 x 61.75 (724 x 610 x 1569)	392 (178)
TSG30RPSA		27 (764)							32 x 30.75 x 81 (813 x 781 x 2057)	28.5 x 27 x 61.75 (724 x 686 x 1569)	386 (175)
TSG49RPSA		49 (1387)		2 solid		8			32 x 52.7 x 81 (813 x 1339 x 2057)	27 x 49 x 61.75 (686 x 1245 x 1569)	597 (271)
TSG25RSGA	2–10°C (5°C)	23 (651)	115V, 60Hz (NEMA 5-15)	1 Glass	gray/ stainless steel	4	Adaptive	cULus, ENERGY STAR	32 x 27.75 x 81 (813 x 705 x 2057)	28.5 x 24 x 61.75 (724 x 610 x 1569)	392 (178)
TSG30RSGA		27 (764)							32 x 30.75 x 81 (813 x 781 x 2057)	28.5 x 27 x 61.75 (724 x 686 x 1569)	386 (175)
TSG45RSLA		45 (1274)		2 Slide Glass		8			32 x 52.7 x 81 (813 x 1339 x 2057)	27 x 49 x 61.75 (686 x 1245 x 1569)	561 (255)
TSG49RSGA		49 (1387)		2 Glass							597 (271)
TSG72RSGA		72 (2038)		3 Glass		12			32 x 75.7 x 81 (813 x 1924 x 2057)	28.5 x 72 x 61.75 (724 x 1829 x 1569)	733 (332)
TSG25RSSA	2–10°C (5°C)	23 (651)	115V, 60Hz (NEMA 5-15)	1 solid	gray/ stainless steel	4	Adaptive	cULus, ENERGY STAR	32 x 27.75 x 81 (813 x 705 x 2057)	28.5 x24 x 61.75 (724 x 610 x 1569)	392 (178)
TSG30RSSA		27 (764)							32 x 30.75 x 81 (813 x 781 x 2057)	28.5 x27 x 61.75 (724 x 686 x 1569)	386 (175)
TSG49RSSA		49 (1387)		2 solid		8			32 x 52.7 x 81 (813 x 1339 x 2057)	28.5 x 49 x61.75 (724 x 1245 x 1569)	597 (271)

Thermo Scientific TSG Series Chromatography Refrigerators

TSX Single Glass Door Chomatography Refrigerator

TSG Series Chromatography Refrigerators are designed with your chromatography applications in mind.

- Featuring a wide range of cabinet sizes from 30 cu. ft. to 72 cu. ft.

- Hydrocarbon safety sensor protected interior duplex outlet

- Whisper-quiet operation at 51 dBA

- ENERGY STAR certified

- Adaptive defrost

- Double pane glass doors

- Choice of white painted interior and exterior, or stainless steel interior and gray exterior

- LED interior lighting

- Temperature, door ajar, and power failure (with battery back-up) alarms

- Digital controller

- Low heat output

- Rear access port, plus two 2-inch side access ports

- Keyed door lock(s)

Interior Outlet and Hydrocarbon Safety Sensors

TSX Double Glass Door Chomatography Refrigerator

TSG Series Chromatography Refrigerators

Model no.	Temp. range (setpoint)	Capacity cu. ft. (liters)	Electrical (plug)*	Doors	Exterior/ Interior Color	Shelves (half shelves)	Defrost	Certification	Exterior dimensions D x W x H in. (mm)	Interior dimensions D x W x H in. (mm)	Shipping weight lbs. (kg)
TSG30CPGA		27 (764)		1 Glass		4 (3)			32 x 30.75 x 81 (813 x 781 x 2057)	28.5 x 27 x 61.75 (724 x 686 x1569)	386 (175)
TSG45CPLA	2–10°C (5°C)	45 (1274)	115V, 60Hz (NEMA 5-15) (2)	2 Slide Glass	white/ white	8 (2)	Adaptive	cULus, ENERGY STAR	32 x 52.7 x 81 (813 x 1339 x 2057)	27 x 49 x 61.75 (686 x 1245 x 1569)	561 (255)
TSG49CPGA		49 (1387)		2 Glass		8 (2)					597(271)
TSG72CPGA		72 (2038)		3 Glass		12 (2)			32 x 75.7 x 81 (813 x 1924 x 2057)	28.5 x 72 x 61.75 (724 x 1829 x 1569)	733(332))
TSG30CSGA		27 (764)		1 Glass		4 (3)			32 x 30.75 x 81 (813 x 781 x 2057)	28.5 x 27 x 61.75 (724 x 686 x1569)	386 (175)
TSG45CSLA	2–10°C (5°C)	45 (1274)	115V, 60Hz (NEMA 5-15) (2)	2 Slide Glass	gray/ stainless steel	8 (2)	Adaptive	cULus, ENERGY STAR	32 x 52.7 x 81 (813 x 1339 x 2057)	28.5 x 49 x61.75 (724 x 1245 x 1569)	561 (255)
TSG49CSGA		49 (1387)		2 Glass		8 (2)					597 (271)
TSG72CSGA		72 (2038)		3 Glass		12 (2)			32 x 75.7 x 81 (813 x 1924 x 2057)	28.5 x 72 x 61.75 (724 x 1829 x 1569)	733 (332))

* Chromatography Refrigerators are supplied with two power cords (one for the unit and one for the internal receptacle and Hydrocarbon Safety Sensor)

Thermo Scientific TSG Series Freezers

TSG Series Freezers are designed with your laboratory in mind, combining the performance, security, and quality required for everyday laboratory applications.

• Available in 25 cu. ft. or 49 cu. ft. sizes

• Whisper-quiet operation at 51 dBA

• ENERGY STAR certified

• Adaptive defrost

• Stainless steel interior and gray exterior

• Temperature, door ajar, and power failure (with battery back-up) alarms

• Digital controller

• Low heat output

• Rear access port

• Keyed door lock(s)

Double and Single Door options

TSG Series General Purpose Freezers

Model no.	Temp. range (setpoint)	Capacity cu. ft. (liters)	Electrical (plug)	Doors	Exterior/ Interior Color	Shelves	Defrost	Certification	Exterior dimensions D x W x H in. (mm)	Interior dimensions D x W x H in. (mm)	Shipping weight lbs. (kg)
TSG25FSSA	-12–-24°C (-23°C)	26.5 (750)	115V, 60Hz (NEMA 5-15)	1 solid	gray/ stainless steel	3	Automatic	cULus, ENERGY STAR	33.75 x 30 x 82 (857.3 x 762 x 2082.8)	26 x27 x 61.6 (660 x 658.8 x 1564.6)	516 (234)
TSG49FSSA		46.2 (1308)		2 solid		6			33.75 x 52 x 82 (857.3 x 1320.8 x 2082.8)	26 x 49 x 61.6 (660 x 1244.6 x 1564.6)	640 (290)

Thermo Scientific TSG Series Accessories

TSG Series Refrigerators Accessories Ordering Guide

For use with refrigerator size	12 cu. ft. (339L)	23 cu. ft. (651 L)	27 cu. ft. (764 L)	45 cu. ft. (1447 L)	49 cu. ft. (1387 L)	72 cu. ft. (2038 L)
Customer-Installed Accessories	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.
Full Shelf with Clips (1 white wire shelf and 4 mounting clips)	7510TA	7511TA	AY2100X1	AY2095X2		AY2102X2
Full Shelf with Clips (1 gray wire shelf and 4 mounting clips)		7512TA	7513TA	AY2098X1		7514TA
Half Shelf with Clips (1 white wire shelf and 4 mounting clips)			AY2020X2	7520TA		AY2102X1
Half Shelf with Clips (1 gray wire shelf and 4 mounting clips)			7518TA	7521TA		7522TA
6" 7-day inkless chart recorders, -40°C to +25°C	**Model no. (all sizes)**					
Free-standing, customer-installed, 115V, 60Hz models	6383-7A					
Replacement chart paper, box of 50	6184					

TSG Series Freezers Accessories Ordering Guide

For use with freezer size	26.5 cu. ft. (750 L)	746.2 cu. ft. (1308 L)	
Customer-Installed Accessories	Model No.	Model No.	
Full Shelf with Clips (1 white wire shelf and 4 mounting clips)	AY2100X1	AY2102X2	
6" 7-day inkless chart recorders, -40°C to +25°C	**Model no. (all sizes)**		
Free-standing, customer-installed, 115V, 60Hz models	6383-7A		
Replacement chart paper, box of 50	6184		

Smart Tracker wireless monitoring device

Thermo Scientific Samco Clicktainer Vials and specimen containers

Thermo Scientific™ TSG505 under counter refrigerator