

thermo scientific

TSG Series General Purpose Refrigerators



Reliable sample
storage and protection

ThermoFisher
SCIENTIFIC

Designed for your everyday laboratory needs

The Thermo Scientific™ TSG Series general purpose laboratory refrigerators and chromatography refrigerators 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 general purpose refrigerators and chromatography refrigerators are 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



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



Performance

- New 2° to 10° C cabinet temperature range (5°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 45 cu. ft. 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
- Painted steel exterior in white or gray
- Stainless steel interior available on some models
- Reduced compressor cycle time improves reliability
- Made in the USA in a zero-waste-to-landfill facility



TSG Series Refrigerators



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)
- Remote alarm contacts

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) | 1 Glass | white/white | 4 | Adaptive | cULus, ENERGY STAR | 25 x 24.75 x 75.8 (635 x 629 x 1926) | 20.75 x 21 x 45.75 (527 x 533 x 1169) | 230 (105) | |
| TSG25RPGA | | 23 (651) | | | | | | | 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 | | | | | | | | |
| 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) | | 2 Slide Glass | | | | | 8 | 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) | | | | | | | | | | |
| TSG49RSGA | | 49 (1387) | | 3 Glass | | 12 | | | 32 x 52.7 x 81 (813 x 1339 x 2057) | 27 x 49 x 61.75 (686 x 1245 x 1569) | 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 x 24 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 x 27 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 x 61.75 (724 x 1245 x 1569) | 597 (271) |

TSG Series Chromatography Refrigerators



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)
- Remote alarm contacts



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 | 2-10 °C (5°C) | 27 (764) | 115V, 60Hz (NEMA 5-15) (2) | 1 Glass | white/white | 4 (3) | Adaptive | cULus, ENERGY STAR | 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) |
| TSG45CPLA | 2-10 °C (5°C) | 45 (1274) | | 2 Slide Glass | | 8 (2) | | | 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) | | | 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) |
| 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 | 2-10 °C (5°C) | 27 (764) | 115V, 60Hz (NEMA 5-15) (2) | 1 Glass | gray/stainless steel | 4 (3) | Adaptive | cULus, ENERGY STAR | 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) |
| TSG45CSLA | | 45 (1274) | | 2 Slide Glass | | 8 (2) | | | 32 x 52.7 x 81 (813 x 1339 x 2057) | 28.5 x 49 x 61.75 (724 x 1245 x 1569) | 561 (255) |
| TSG49CSGA | | 49 (1387) | | 2 Glass | | 8 (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) |
| 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)

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 |



Smart Tracker wireless monitoring device



Thermo Scientific™ TSG505 under counter refrigerator



Thermo Scientific Samco Clicktainer Vials and specimen containers

Visit thermofisher.com for accessories, wireless monitoring, consumables, media, reagents and more.

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