

Introduction to SMC's Non F-Gas (CO₂ Refrigerant) Thermo-chillers for the Semiconductor Industry

307

THERMO CHILLER

849



1640

mm

Refrigerant in use: CO₂ (R744) GWP: 1 Standards: SEMI/CE/UL

| Specifications Series | INR-495-042 | INR-495-043 | New HRZ |
|----------------------------------|---------------------|------------------------------|------------------------------|
| Set temperature range [°C] | -20 | -20 to 90 | |
| Temperature stability [°C] | ±1 | ±0.1 | |
| Cooling capacity (@20°C) [kW] | 8.5 (@20°C) | | 10 (@20°C) |
| Breaker capacity [A] | 20 | 30 | |
| Dimensions [mm] | 307 (W) x 849 | 307 (W) x 849 (D) x 1640 (H) | |
| Release date | Currently available | | Scheduled for September 2024 |





GWP Comparison

| Environmental burden | Smaller | ************************************ | | | Larger |
|-----------------------|---------------|--------------------------------------|-------------|--------------|--------------|
| GWP*1 | 1 | 150 or less | 151 to 1000 | 1001 to 2999 | 3000 or more |
| Air transport | Yes | No | No | Yes | Yes |
| Refrigerant (Example) | R744 (CO2) | R454C | R32 | R410A | R404A |

Austria

Czech Republic

*1 Global Warming Potential

New Zealand

Philippines

Asia and Oceania

Australia

China

50

SMC's Global Maintenance Network

Thanks to a solid inventory of maintenance parts and an experienced chiller support team capable of conducting repairs and replacements, SMC is able to respond to customers' issues quickly and precisely. As SMC's high-quality services are available to customers all over the world, you can rest assured that you'll have our continued support long after purchase.



| | INICAICO | Donnark | Tussia | riong Rong | onigapore | |
|---------|----------|-------------|---------------------------|-------------------------|--------------------------|-------|
| ntinuod | | Finland | Slovakia | India | Taiwan | |
| minueu | | France | Slovenia | Indonesia | Thailand | |
| | | Germany | Spain/Portugal | Japan | Vietnam | |
| | | Hungary | Sweden | Korea | | |
| | | Ireland | Switzerland | Malaysia | | |
| | | Italy | Turkey | • | | |
| | | Latvia | U.K. | | | |
| | | Netherlands | | | | |
| | | * The nar | mes of countries and regi | ions listed in each are | a are alphabetically inc | dexed |
| | | | | | | |
| | | | | | | |

Europe

Norway

Poland

A Safety Instructions Be sure to read the "Handling Precautions for SMC Products" (M-E03-3) and "Operation Manual" before use.

SMC Corporation

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