

The S.CU Cooling Units

Precise Temperature Control for Every Requirement

Greater efficiency, maximum uptime and enhanced transport safety: the S.CU portfolio offers the right cooling unit for every application, supporting cost-effective, sustainable and reliable temperature-controlled transport.



The Transport Cooling Units at a Glance.

The right S.CU for every application.
Choose from a range of models and benefit from outstanding performance, comfort and ease of maintenance.

Diesel-powered Cooling Units



NEW

S.CU dc100 with VarioFlow Technology:
the next generation of efficient transport refrigeration

- Up to 8% lower fuel consumption*
- Up to 11% higher cooling capacity*
- VarioFlow technology: Precise, demand-based delivery of cooling capacity to ensure maximum operational reliability, high energy efficiency and lower running costs
- Reliable operation even in high ambient temperatures thanks to demand-controlled VarioFlow condenser-side fans
- Precise temperature control for optimum product quality
- Up to 89% lower CO₂-equivalent thanks to the R454A refrigerant compared with R452A – without any loss of performance



NEW

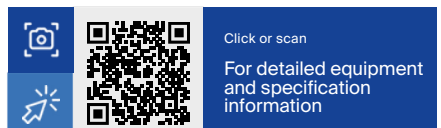
S.CU mt DualEvap:
high-performance multi-temperature transport with longitudinal partition

- Fuel-efficient multi-temperature transport with a longitudinal partition in the trailer
- High-performance, uniform cooling across all temperature zones thanks to the integrated, longitudinally split evaporator in the front-mounted cooling unit
- Maximum interior height and full load capacity thanks to the removal of the additional ceiling evaporator
- Flexibly configurable temperature zones for different transport requirements thanks to the split evaporator



S.CU d80:
cost-effective entry-level model for the volume market

- Proven, robust and emissions-optimised diesel engine
- Optimised refrigeration circuit featuring scroll compressor technology, available in a MonoTemp version
- The quietest cooling unit in its segment: 94.9 dB(A)
- Up to 89% lower CO₂-equivalent thanks to the R454A refrigerant compared with R452A – without any loss of performance



* In comparison to the previous model S.CU dc90.

The Transport Cooling Units at a Glance.

Maximum efficiency and flexibility for every transport application: whether diesel-powered, ePTO ready or fully electric, the S.CU range offers flexible solutions for efficient and future-ready refrigerated transport.

ePTO ready

Transformation solution for zero-emission use

ePTOready



S.CU ePTO ready:
a cost-effective zero-emission solution when combined with an e-truck



- Available ex works with an interface for an electric power take-off (ePTO)
- Maximum flexibility for mixed fleets, independent of vehicle driveline and truck manufacturer
- Low investment costs, as no additional high-voltage battery or e-axle is required in the trailer
- High cargo protection: the diesel generator serves as a backup if no power is supplied via the ePTO. Switching between power sources is managed automatically by the S.CU control system
- Available for the S.CU d80, S.CU dc90 and soon also for the S.CU dc100

Fully Electric Cooling Units



S.CU ep85:
the zero-emission, fully electric cooling unit with integrated power electronics

- Integrated power electronics and battery operation, including e-axle compatibility
- Precise temperature control, specifically designed for transporting sensitive goods
- Quick charging and always ready for operation: charging via CEE connector from a three-phase power supply.
- Efficient operation via the mains supply or whilst driving: power supplied by a battery system including a generator axle
- Available exclusively in combination with the fully electric refrigerated box body S.KOe COOL
- Also available as a MultiTemp version



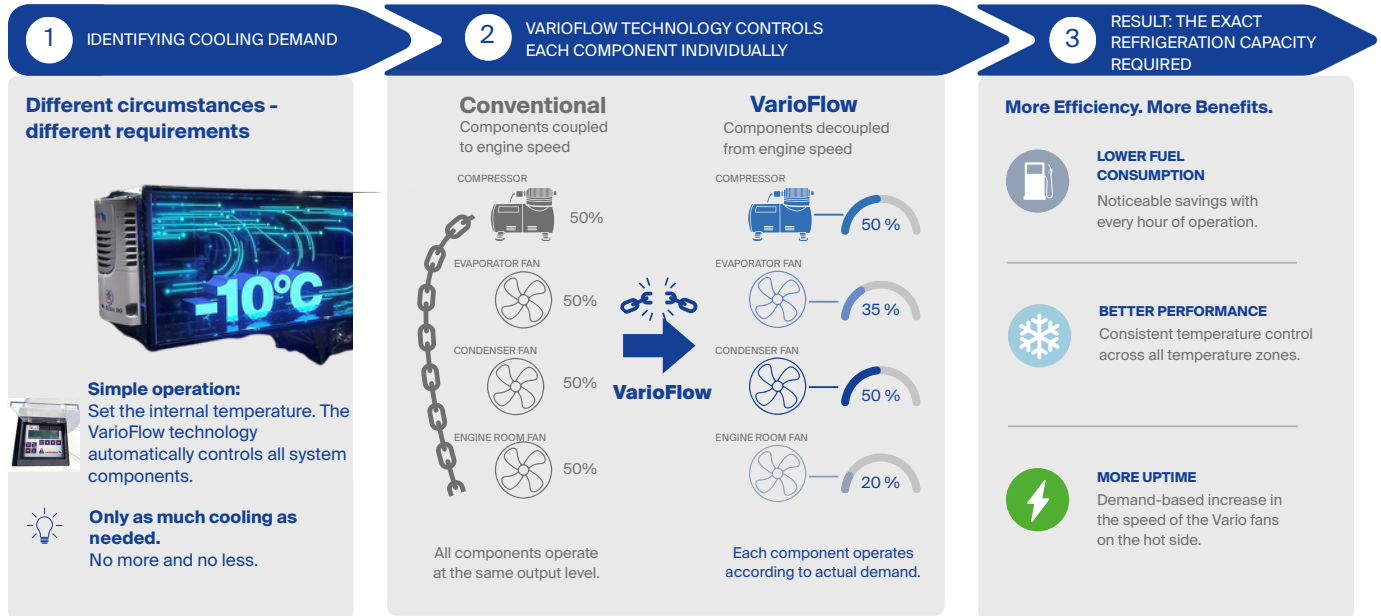
Smart Services and
TrailerConnect® Telematics
for Maximum S.CU Availability

All S.CU cooling units come equipped ex works with the TrailerConnect® telematics system, including a 24-month Full Service contract*. Real-time telematics data and Proactive Monitoring enable the early detection of potential issues. A robust design and extended service intervals ensure high operational reliability, supported by a Europe-wide service network.

* Extendable to up to 96 months

Intelligent Cooling for Maximum Efficiency

The VarioFlow technology decouples refrigeration generation from heat transfer. This ensures the exact refrigeration capacity required for transport is provided at all times.



You Can Rely on This:

Schmitz Cargobull Premium Services for Maximum Uptime

 **Tailored financing and insurance solutions from an industry expert**

 **Second Hand – First Class**
Quality-Tested Used Vehicles

 **TrailerConnect® telematics and digital services for smarter logistics**

 **Spare parts you can count on for timely repairs**

 **Full service for trailers, cooling units, and tyres**

 **Genuine spare parts online, delivered within 24 hours**

 **Cargobull Mobile Service Van**

 **24 h Cargobull Euroservice roadside assistance across Europe**

 **1,400 service partners: your professional workshop network**

 **Dr. COOL AI Repair Assistant**

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More information about our exclusive services can be found here.

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