GCmini AG

Compact Air-Cooled **Water Chillers**
for Process Cooling applications

EUROCHILLER
Part of Atlas Copco Group

Find out more

New Eurochiller **GC**mini **AG** range

Cutting-Edge Technology and Premium Components

Discover the new **GCmini AG** chillers, designed for maximum sustainability and efficiency with the next-generation R454C refrigerant, significantly reducing environmental impact thanks to its low Global Warming Potential (GWP). Specifically engineered for industrial process applications, this range combines a highly compact footprint with reliable, long-lasting construction, making it ideal for space-constrained environments. Equipped with premium components, optimized refrigeration circuits, and advanced control solutions, **GCmini AG** ensures consistent performance, high reliability, and simplified maintenance. Fully compliant with Eco-Design Regulation (EU) 2016/2281, the new F-gas Regulation (EU) 2024/573 and suitable for plug-and-play installations, **GCmini AG** chillers represent the smart choice for efficient, future-ready industrial cooling.

Very Low-GWP: 148

Using a chiller with **R454C** refrigerant offers numerous benefits. R454C has a **very low** Global Warming Potential (**GWP**), helping to reduce greenhouse gas emissions. Chillers are more energy-efficient, **reducing energy consumption** by up to 10%.
Rotary compressor engineered with durable components and precision design to withstand continuous operation, reducing maintenance costs and minimizing downtime.

Extended Operating Limits

GCmini AG chillers are built to handle the most demanding **industrial applications**. With robust construction and **high-quality components**, they ensure consistent and reliable performance even in challenging environments.
Rigorous testing guarantees **effective operation** under heavy loads and extreme conditions, making them a dependable cooling solution for your industrial needs.

Precision & Connectivity

GCmini AG chillers offer extremely precise temperature regulation, essential for the quality of industrial processes.

With advanced technology and **integrated connectivity**, it is possible to control and monitor the chiller remotely, ensuring flexibility and responsiveness in managing operations.

F-Gas Ready 2027 & Technology

Environment Proof

EASY TO USE

New Eurochiller **GCmini AG** R454C

Ready for **Industry 5.0**

APPLICA, the free app available for smartphone and tablet, it is designed to revolutionize and **simplify** the start-up and maintenance **operations** of GCmini AG units, making them possible **using a mobile device only**.

NFC Bluetooth Modbus Google play Available on the App Store

Full Compliance EU Regulations
Eco-Design & F-Gas ready 2027

EC Axial fans
Brushless fans for high efficiency

Microchannel coils
Less refrigerant charge / More efficiency

Centrifugal water pump
Stainless Steel 3 bar pump

Integrated Control Algorithms
Smart control for optimized performance

Hydronic configuration flexibility
Stainless Steel integrated open tank

Rotary compressor
Optimized for very low-GWP refrigerant

Electronic expansion valve
Precise control and energy saving

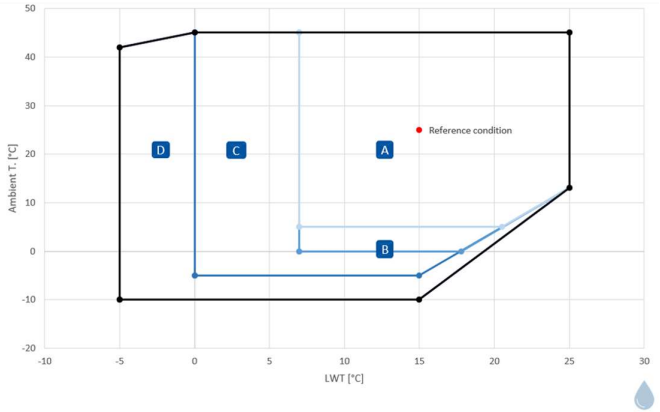
CE

Compact Air-Cooled Water Chillers for Process Cooling

Technical Data

GCmini AG R454C 50 Hz - Model		**4**	**6**	**9**	**12**
Cooling Capacity[1]	[kW]	4,7	6,9	9,5	11,0
Power consumption[1]	[kW]	1,2	2,1	2,7	3,3
Power Supply	-	400V/3~/50Hz ±10%			
SEPR HT[2] Reg. EU 2281/2016	-	**5,10**	**5,02**	**5,08**	**5,03**
Compressors / Circuits / Refrigerant		1 / 1 / R454C (GWP: 148)			
Number of fans		1		1	
Buffer tank volume	[L]	50		70	
IN/OUT water connections	[inch]	1/2" (DN 15)		3/4" (DN 20)	
Length	[mm]	850		950	
Width	[mm]	600		700	
Height	[mm]	1.420		1.740	

Extended Operating Limits



A: Water | **B**: Min. 15% Glycol | **C**: Min. 20% Glycol | **D**: Min. 25% Glycol

(1) Reference condition: Ambient Air 25°C, Evaporator in 20°C / out 15°C, 0% Glycol. AC Fan version and 3 bar water pump.
(2) Data declared in compliance with the European Regulation (EU) 2016/2281 regarding Eco-Design requirements for cooling products and high temperature process chillers. Values refer to configuration without pump.

Applications of GCmini AG Chillers in the Plastics Industry

- Plastic Molding Machines
- Chill Rolls
- Shredder Recycling
- Wrap Recycling
- Bag, Bottle, and Film Production
- Injection Molding
- Blown Film Molding
- Stretch Blow Molding
- Plastic Welding
- Profile Extrusion

Eurochiller S.r.l.
Headquarter and production facilities
Via Milano, 69 – 27030 Castello d'Agogna (PV) – Italy
Tel. +39 0384.298985
Service +39 0384.298981
VAT Number IT01482170188

EUROCHILLER® Part of Atlas Copco Group

GCminiAG_Flyer_EN_20260520