GCevo AG

Air-Cooled Water Chillers
for Plastic Industry Dedicated Cooling

EUROCHILLER®
Part of Atlas Copco Group

Find out more

New Eurochiller **GCevo AG** range

Cutting-Edge Technology and Premium Components

Discover the innovative **GCevo** AG chillers, utilizing **R32** refrigerant to significantly minimize environmental impact with a **low Global Warming Potential** (GWP). Designed specifically for industrial processes, these chillers provide exceptional energy efficiency, a compact design, and robust construction suitable for demanding industrial applications. Featuring scroll compressors, electronic expansion valves, and integrated Icons connectivity, the GCevo AG series guarantees high performance, reliability, and ease of maintenance. Perfect for plug-and-play outdoor installations, GCevo AG chillers are the ideal choice for sustainable cooling solutions that comply with modern regulatory standards.

Low-GWP Refrigerant

Using a chiller with **R32** refrigerant offers numerous benefits. R32 has a **low** Global Warming Potential (**GWP**), helping to reduce greenhouse gas emissions. Chillers are more energy-efficient, **reducing energy consumption** by up to 10%. Additionally, R32 allows for faster achievement of desired temperatures, enhancing the overall performance of the cooling system. These advantages make R32 an ideal choice for **sustainable** and **efficient cooling solutions**.

Reliability

GCevo 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

GCevo 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.

R32: GWP = 675

HIGH PERFORMANCE

INTUITIVE HMI

New Eurochiller **GCevo AG** range

Cutting-Edge Technology and Premium Components

Robust frame structure
Epoxy coating protection

EC Axial fans option
Brushless fans for -20°C installations

Microchannel coils
Less refrigerant charge / More efficiency

Centrifugal water pump
3 bar and 5 bar pump configurations

IQ21 PLC controller
Industrial Touch screen display interface

Hydronic configuration flexibility
Open or pressurized tank options

Scroll compressors
Optimized for low-GWP refrigerant

Electronic expansion valve
Partial load control optimized

Ready for **Industry 5.0**

The optional **Chiller Gateway interface** enables seamless integration with the most widely used industrial communication prdotocols, including Ethernet and Profibus. This feature supports the digital transformation of manufacturing environments by ensuring full connectivity within modern factory.

Modbus RTU · Modbus TCP/IP · BACnet · EtherNet/IP · OPC · PROFIBUS · PROFINET

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Technical Data

GCevo AG R32 50 Hz		**18**	**23**	**25**	**30**	**35**	**40**	**45**	**55**	**60**	**75**	**80**	**90**	**110**	**130**
Cooling Capacity[1]	[kW]	20,0	25,5	27,5	33,2	38,2	45,8	51,8	60,9	69,0	85,4	94,6	107,0	131,0	155,0
Power consumption[1]	[kW]	4,45	6,16	6,84	7,16	8,39	8,80	10,80	13,50	17,30	17,70	20,40	24,80	33,80	44,50
EER[1]	-	4,49	4,14	4,02	4,64	4,55	5,20	4,80	4,51	3,99	4,82	4,64	4,31	3,88	3,48
SEPR HT[2] Reg. EU 2281/2016	-	**5,25**	**5,05**	**5,01**	**5,38**	**5,28**	**5,65**	**5,53**	**5,28**	**5,03**	**6,02**	**5,91**	**5,65**	**5,20**	**5,01**
Compressors / Circuits		1 / 1							2 / 1						
Number of fans		2			1				2						
Buffer tank volume - option	[L]	50			90		200								
IN/OUT water connections	[inch]	1”			1”½				2”						
Length	[mm]	1.260			1.200		1.200		2.405						
Width	[mm]	535			850		1.500		1.070						
Height	[mm]	1.370			1.715		1.960		1.995						

(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 GCevo 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

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