

Compact, efficient and environmentally friendly

GREEN LINE

gBoxX 12 to gBoxX 80



Laser technology

Plastics industry

Food and packaging

Hydrogen production

Surface technology

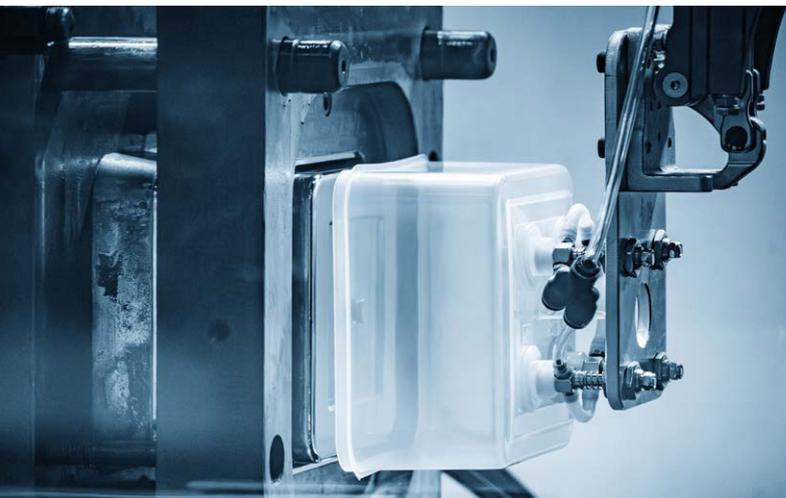
Printing industry

Filtration

Medical technology



 **R290**
Indoor installation
without additional
exhaust air piping



Our new **Green Line** chillers have been developed for system manufacturers who rely on **future-proof, efficient, and reliably integrable** process cooling. They are the result of our decades of expertise in thermodynamics and extensive experience with the natural refrigerant R290.

Thanks to the use of R290, the Green Line is **not affected by the F-gas regulation**, is **free of PFAS**, and is legally compliant in the long term, while also offering **outstanding energy efficiency**. Electronically controlled fans and compressors, as well as an electronic expansion valve, ensure **economical operation** across a wide load range and reduce operating costs in the long term.

The sophisticated safety concept allows operation **without additional exhaust air piping, even for indoor installation**, which greatly simplifies integration.

At the same time, it is based on specially selected, **low-maintenance components** that reduce service costs, minimize downtime, and thus provide long-term benefits for the plant operator.

The modern **Chilltronic II control system** with touch display, Ethernet connection, and optional remote control panel offers maximum ease of use and freedom of integration.

Remote monitoring via LTE, integrated as a standard feature, gives operators and KKT service teams worldwide access – including a 5-year mobile data contract in Europe – for fast support and minimal downtime.

With **customizable adaptability, flexible options, and quality made in Germany**, the gBoxX is already proving its worth today and offers long-term security.

TECHNICAL DATA

gBoxX	gBoxX 12	gBoxX 20	gBoxX 32	gBoxX 55	gBoxX 80
Net cooling capacity ¹⁾ tw2 = 20 °C, tu = 35 °C	12 kW	21.4 kW	32.3 kW	57.3 kW	83.6 kW
Net cooling capacity ¹⁾ tw2 = 20 °C, tu = 45 °C	9.5 kW	18.1 kW	26.2 kW	47.0 kW	69.0 kW
Refrigerant	R290				
GWP	3				
Refrigerant charge	0.5 kg	0.7 kg	1.1 kg	1.7 kg	2.1 kg
CO ₂ equivalent	1.5 kg	2.1 kg	3.2 kg	5.1 kg	6.3 kg
Ambient temperature range	-25°C to +50°C				
Max. cooling air flow rate	7000 m³/h	8500 m³/h	9000 m³/h	21000 m³/h	
Coolant	Water or Water/Glycol				
Tank capacity	100 l	160 l		300 l	
Coolant outlet temperature	-5°C to +35°C				
Setpoint stability	+/- 1 K				
Coolant flow rate (nominal)	2.4 m³/h	4.1 m³/h	6.8 m³/h	11.5 m³/h	16.9 m³/h
Pump pressure standard	3 bar				
Sound pressure level ²⁾	54 dB(A)	55 dB(A)	56 dB(A)	60 dB(A)	
Operating voltage	400 V +/-10 % / 3 Ph / 50 Hz or 60 Hz 460 V +/-10 % / 3 Ph / 60 Hz				
Full load current, approx. ⁴⁾	9.7 A	19.2 A	22.1 A	33.6 A	50.6 A
Connected load, approx. ⁴⁾	4.9 kW	10 kW	12.8 kW	21.6 kW	33.6 kW
Protection class	IP 54				
Weight ³⁾	270 kg	350 kg	550 kg	650 kg	750 kg
Water connection nom. diameter	1"		1 1/2"	2"	
Length (incl. switch box)	1080 mm	1300 mm	1650 mm	2190 mm	
Width	880 mm			1900 mm	
Height	1500 mm			1900 mm	

¹⁾ Measured with water/glycol 40% refrigerant, taking into account heat input 3 bar pump | ²⁾ At a distance of 5 m without reflection at maximum speed, without air filter

³⁾ Net, without refrigerant fill quantity | ⁴⁾ Refrigeration circuit only without pump, based on 400 V

Subject to technical changes and errors. Technical data is provisional and may be subject to minor changes.



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