



Sustainable Chiller HYFRA GCP-S Propane

Technical Data Sheet 400V/50Hz

GCP-S is a chiller with an integrated tank, designed for reliable temperature control of your application.

+ Your benefits at a glance

Future-proof in the long term with a natural refrigerant

Propane (R290) with an extremely low GWP (~3) – ensuring long-term regulatory compliance.

System safety

For propane systems, we provide practical recommendations to ensure safe and standards-compliant installation of the unit.

High energy efficiency

Excellent thermodynamic properties of propane enable maximum energy efficiency.

Low operating costs thanks to natural refrigerant

Propane not only offers high energy efficiency but also ensures stable and future-proof low costs for refrigerant and maintenance – resulting in consistently low operating costs.

Compact & performance-optimized

Space-saving design with high cooling capacity – optimized for industrial installation areas.

Modular platform and common parts concept

High variant diversity and fast spare-parts availability for efficient service operations.



Key Data HYFRA GCP-S Propane

- ✓ **Performance range:**
8–15 kW
- ✓ **Refrigerant:**
Water or water-glycol mixture
- ✓ **Footprint:**
8–15 kW: 737 × 737 mm
- ✓ **Demand-optimized:**
Numerous configurations and equipment options
- ✓ **Applications:**
Across more than 20 market segments, including machine tools, laser systems, filtration, recycling, additive manufacturing and process cooling



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HYFRA GCP-S Propane (kW)		8	13	15
Performance data		400 V / 50 Hz / 3 Ph ^{a)}		
Ambient temperature °C	Coolant outlet temperature in °C	Cooling capacity ^{b)}		
32	15	7	10	13
	20	8	13	15
40	15	7	10	11
	20	8	12	14
50	15	6	9	10
	20	7	11	12
Technical data				
Refrigerant		Propane		
Refrigerant quantity	kg	0.49	0.73	0.85
Ambient temperature range ^{c)}	°C	-20°C to 50°C		
Sound pressure level in 5 m	dB(A)	66		
Power consumption max. ^{d)}	kW	5	6	7
Current consumption max. ^{d)}	A	10	12	13
Maximum back-up fuse	A	25		
Cooling air volume flow	m³/h	6,500		
Coolant outlet temperature range ^{e)}	°C	-5°C to +30°C		
Free pump pressure ^{f)}	bar	3 bar / 5 bar		
Coolant flow (nominal volume flow)	m³/h	1.7	2.1	2.6
Tank volume	l	110		
Refrigerant connection	Zoll	1" IG		
Dimensions and weight				
Length	mm	737		
Width	mm	737		
Height	mm	1,685		
Empty weight	kg	240	245	250

a) Voltage tolerance $\pm 10\%$; other voltage versions available upon request

b) Net cooling capacity without consideration of pump power losses at the design point

c) Standard version: ambient temperature range +5°C to +45°C, indoor installation

d) Calculated maximum power / current consumption of all components (50 Hz, standard pump)

e) Standard version: medium temperature >15°C

f) Available pump head at nominal flow rate; additional pumps available within the standard portfolio