

Recirculating Chillers ProfiCool Genius

- Single-circuit systems including tank open to atmosphere
- Air-cooled cooling machine
- Plate heat exchanger as evaporator
- Plastic tank with water level indicator
- Electronic microprocessor-controlled thermostat with digital display
 - Error messages displayed as individual codes by controller
 - Remote control
- Control cabinet with main switch
- Built-in pump (see pump characteristics)
- High and low pressure manometer
- High and low pressure switch
- Fan controlled by static pressure
- Manometer displaying coolant outlet pressure
- Housing powder-coated, colour RAL 7035 (light grey)

Model ProfiCool Genius	PCGE 160	PCGE 190
Net cooling capacity at +20/+15°C	kW : 15.8 / 14.9	18.2 / 17.1
Eff. cooling capacity at +20/+15°C	kW : 15.3 / 14.4	17.7 / 16.6
Operating range *	°C : +5 / +25	+5 / +25
Temperature constancy	K : ±1.5	±1.5
Rated coolant flow	m³/h : 2.6	2.9
Pump	type : P3-AR02B	P3-AR02B
Pump pressure **	bar : 2.7	2.6
Tank capacity	litres : 100	100
Water connection	Inch : G 1" Female	G 1" Female
Required flow of cooling air	m³/h : 7,600	7,600
Starting current	Amps : 62	72
Power input max.	kW : 4.4	5.1
Operating voltage	volt/Hz/phase : 400/50/3	400/50/3
Weight	kgs : 220	230
Dimensions WxDxH	mm : 760x1325x1525	760x1325x1525
Refrigerant	CFC-free : R407C	R407C

* Set temperatures <+5°C and >+25°C on request.
 ** Pressure at rated coolant flow.

Alternative units: PCGE 151 and PCGE 250

ProfiCool Genius + options / accessories:

	Cat. No.
ProfiCool Genius PCGE 160.01-NEB	GUPCGE0160.01-NEB
ProfiCool Genius PCGE 190.01-NEB	GUPCGE0190.01-NEB
Pump P5-AS13B instead of P3-AR02B	MPCGE6-P5-AS13B-0160
Pump P7-AM46B instead of P3-AR02B	MPCGE6-P7-AM46B-0160
Pump P5-AS13B instead of P3-AR02B	MPCGE6-P5-AS13B-0190
Pump P8-AM47B instead of P3-AR02B	MPCGE6-P8-AM47B-0190
Continuous-flow system without tank and/or without pump	on request
Overflow by-pass valve	ZPCGE6-041-0190
4 swivel castors, 2 with brakes	ZPCGE5-021-0190
Temperature constancy up to ±0.5 K	on request
Low ambient temperature kit	MPCGE7-001-0190
Export version with special voltages / frequencies	on request

Additional options and accessories as well as pump alternatives on request.



ProfiCool Genius (with option colour RAL 7043, traffic grey B)

[Http://www.NationalLab.eu](http://www.NationalLab.eu)

National Lab GmbH
 Tel.: +49 45 42 / 84 91 - 10
 Grambecker Weg 157
 D-23879 Moelln
 Fax: +49 45 42 / 84 91 - 11
 e-Mail: ProfiCool@NationalLab.com

