

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)



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

| Model ProfiCool Genius | PCGE 1090 |
|---|----------------|
| Net cooling capacity at +20/+15°C kW : | 96.0 / 90.0 |
| Eff. cooling capacity at +20/+15°C kW : | 93.8 / 87.8 |
| Operating range * °C : | +5 / +25 |
| Temperature constancy K : | ±1.5 |
| Rated coolant flow m³/h : | 15.5 |
| Pump type : | P3-AP04B |
| Pump pressure ** bar : | 2.8 |
| Tank capacity litres : | 300 |
| Water connection Inch : | G 1½" Female |
| Required flow of cooling air m³/h : | 23,700 |
| Starting current Amps : | 181 |
| Power input max. kW : | 25.8 |
| Operating voltage volt/Hz/phase : | 400/50/3 |
| Weight kgs : | 690 |
| Dimensions WxDxH mm : | 2280x1325x1525 |
| Refrigerant CFC-free : | R407C |

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

Alternative units: PCGE 770 and PCGE 1200

ProfiCool Genius + options / accessories: Cat. No.

| | |
|---|----------------------|
| ProfiCool Genius PCGE 1090.01-NEB | GUPCGE1090.01-NEB |
| Pump P5-AP07B instead of P3-AP04B | MPCGE6-P5-AP07B-1090 |
| Pump P8-AP09B instead of P3-AP04B | MPCGE6-P8-AP09B-1090 |
| Continuous-flow system without tank and/or without pump | on request |
| Overflow by-pass valve | ZPCGE6-041-1090 |
| Temperature constancy up to ±0.5 K | on request |
| Low ambient temperature kit | MPCGE7-001-1090 |
| Export version with special voltages / frequencies | on request |

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

