

Recirculating Chillers ProfiCool *Primus*

- Single-circuit system including tank open to atmosphere
- Air-cooled cooling machine
- Plastic tank with water level indicator
- Coil evaporator made of stainless steel
- Electronic microprocessor-controlled thermostat with digital display (LED)
- Automatic by-pass valve
- Pressure gauge
- 2-stage level switch
- Built-in pump (see pump characteristics)
- Temperature constancy ± 0.5 K
- Housing powder-coated, colour RAL7035 (light grey)
- Air filter mat
- Plastic feet



ProfiCool *Primus* PCPR 020

Model ProfiCool <i>Primus</i>	PCPR 009	PCPR 013	PCPR 020
Net cooling capacity at +20/+15°C kW	0.9 / 0.7	1.3 / 1.1	2.0 / 1.7
Eff. cooling capacity at +20/+15°C kW	0.6 / 0.4	1.0 / 0.8	1.7 / 1.4
Operating range *	°C : +5 / +30	+5 / +30	+5 / +30
Temperature constancy	K : ± 0.5	± 0.5	± 0.5
Rated coolant flow	m ³ /h : 0.35	0.35	0.35
Pump	type : P16-YA62D	P16-YA62D	P16-YA62D
Pump pressure **	bar : 5.0	5.0	5.0
Tank capacity	litres : 4	4	4
Water connection	: < CPC quick connection couples for hose 12 mm outside Ø >		
Required flow of cooling air	m ³ /h : 500	800	1,100
Starting current	Amps : 14	19	29
Power input max.	kW : 0.7	1.0	1.4
Operating voltage	Volts/Hz/Phase : 230/50-60/1	230/50-60/1	230/50-60/1
Weight	kgs : 35	42	48
Dimensions WxDxH	mm : 235x520x625	235x520x625	235x520x625
Refrigerant	CFC-free : R134a	R134a	R404A

* Set temperatures $< +5^{\circ}\text{C}$ and $> +30^{\circ}\text{C}$ on request.
 ** Pressure at rated coolant flow.

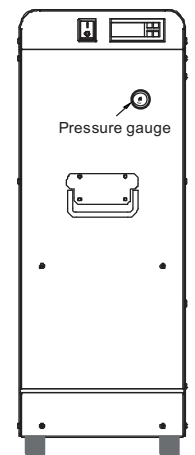
ProfiCool *Primus* + options / accessories:

Cat. No.

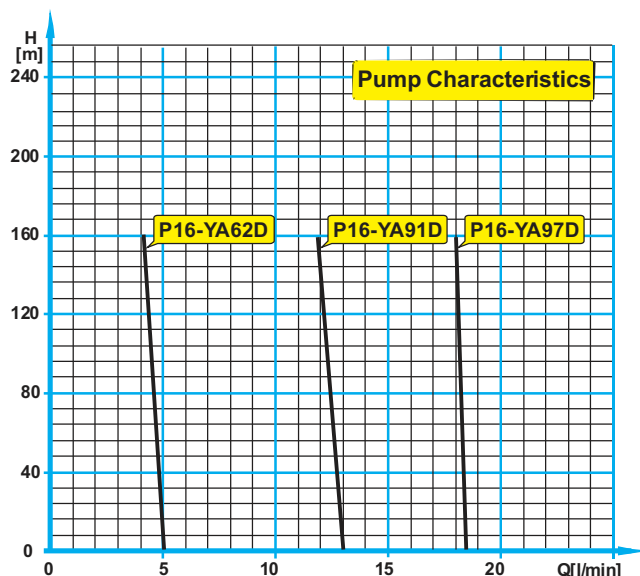
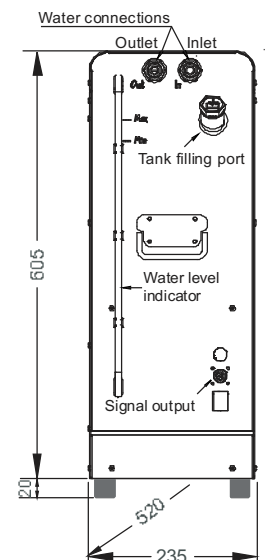
ProfiCool Primus PCPR 009.02-NED	GUPCPR009.02-NED
ProfiCool Primus PCPR 013.02-NED	GUPCPR013.02-NED
ProfiCool Primus PCPR 020.03-NED	GUPCPR020.03-NED
Pump P16-YA91D instead of P16-YA62D	MPCPR6-P16-YA91D-020
Pump P16-YA97D instead of P16-YA62D	MPCPR6-P16-YA97D-020
RS 485 interface	YPCPR2-019-020
Continuous-flow system without tank and/or without pump	on request
External housing contains stainless steel CNS	MPCPR5-041-020
4 swivel castors, 2 with brakes	YPCPR5-021-020
Enhancement working range to $\pm 0^{\circ}\text{C}$	MPCPR7-007-020
Temperature constancy up to ± 0.1 K	ZPCPR9-067-020
Export version with special voltages / frequencies	on request

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

Front



Reverse



<http://www.NationalLab.eu>



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