

# PLAKEO «NG»

HEAT PLATE EXCHANGER SYSTEMS - FROM 48 TO 1 340KW



**NEW**



CE compliance  
• 2014/68/UE  
• 2014/35/UE



New generation of heat plate exchanger systems



Heat plates made of stainless steel AISI 316L



High efficiency primary pump (ERP directive)

## DESCRIPTION

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- Stainless steel AISI 316L removable heat plate exchanger system and clipped gaskets.
- Vertical chassis in painted steel, stainless steel fittings in secondary.
- Removable thermal insulation - 30mm thick, PVC finition.
- Simple or dual primary pump
- 3-way valve of regulation + NTC sensor in secondary (controlled by the box).
- Control box single phase 230V/ 16A, coonected, with automaton :
  - Thermal shock;
  - Visu/setting : set point T°, real T°, defaults and sources;
  - Management : pumps, 3-way valve;
  - Alarms : high T°, low, DHW outlet, pumps defaults;
  - 7 logical inlets;
  - Thermostat for interruption of secondary pump;
  - 5 relay outputs;
  - Languages : FR / EN;
  - SD card reader;
  - Recovery of historic of T° (Excel);
  - RS485 Modbus.

- 7 bar Safety valve.

### Options

Charging pump according to model ( $\Delta$  dispo = 1mCE) : simple or double.

### Warranties (in accordance with our general conditions of sale)

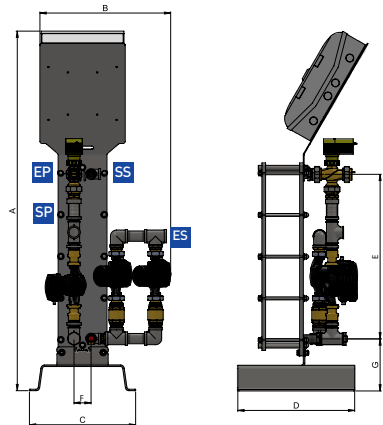
Plate heat exchanger and accessories = 1 an

## DIMENSIONS

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
PKA0087 <-> PKA0400	1600	550	435	540	676	70	215
PKA0405 <-> PKA0720	1720	830	675	790	694	126	290
PKA0800 <-> PKA1340	1720	830	675	790	694	126	290

Model	Primary		Secondary	
	Inlet (EP)	Outlet (SP)	Inlet (ES)	Outlet (SS)
PKA0087 <-> PKA0400	1"1/4	1"1/4	1"	1"
PKA0405 <-> PKA0720	1"1/2	1"1/2	2"	2"
PKA0800 <-> PKA1340	2"	2"	2"	2"

- EP Primary inlet (threaded)
- ES Secondary inlet (threaded or PN16 flat flange)
- SP Primary outlet (threaded)
- SS Secondary outlet (threaded)



## TECHNICAL SPECIFICATIONS

Model (*)	P90/10-55°C system				P80/10-55°C system	P70/10-55°C system
	Power (kW)	Primary flow rate (m³/h)	Secondary flow rate (m³/h)	Secondary head loss ( $\Delta$ P sec. mWC)	Power (kW)	Power (kW)
PKA0087...	87	1,7	1,7	3,7	68 kW	48 kW
PKA0118...	118	2,2	2,3	3,8	92 kW	66 kW
PKA0137...	137	2,4	2,6	3,4	108 kW	78 kW
PKA0158...	158	2,7	3	3,2	125 kW	90 kW
PKA0207...	207	3,7	4	4	165 kW	118 kW
PKA0230...	230	4	4,4	3,9	182 kW	130 kW
PKA0260...	260	4,5	5	4	205 kW	150 kW

\* Valid informations for all references of same model. Example "PKA0087SS1", "PKA0087DS1" et "PKA0087SD2"

\*mWC = Meter of water column.

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Model (*)	P90/10-55°C system				P80/10-55°C system	P70/10-55°C system
	Power (kW)	Primary flow rate (m³/h)	Secondary flow rate (m³/h)	Secondary head loss (ΔP sec. mWC)	Power (kW)	Power (kW)
PKA0277...	277	4,7	5,3	3,7	220 kW	158 kW
PKA0295...	295	4,9	5,7	3,6	235 kW	172 kW
PKA0320...	320	5,3	6,2	3,6	255 kW	185 kW
PKA0345...	345	5,5	6,6	3,3	275 kW	203 kW
PKA0367...	367	5,7	7,1	3	295 kW	218 kW
PKA0400...	400	6	7,7	2,6	325 kW	242 kW
PKA0460...	460	10,1	8,9	2,7	360 kW	250 kW
PKA0510...	510	10,7	9,8	2,5	400 kW	280 kW
PKA0555...	555	11,2	10,7	2,3	435 kW	310 kW
PKA0600...	600	11,9	11,6	2,2	470 kW	340 kW
PKA0645...	645	12,4	12,4	2,1	500 kW	365 kW
PKA0725...	725	13,3	14	1,9	570 kW	405 kW
PKA0800...	800	17,3	15,4	3,1	620 kW	440 kW
PKA0885...	885	18	17,1	2,8	690 kW	495 kW
PKA0930...	930	18,5	17,9	2,7	730 kW	515 kW
PKA1010...	1 010	19,4	19,5	2,5	790 kW	560 kW
PKA1070...	1 070	20	20,6	2,3	850 kW	610 kW
PKA1160...	1 160	20,8	22,4	2,2	925 kW	670 kW
PKA1245...	1 245	21,5	24	2,1	995 kW	715 kW
PKA1340...	1 340	22,3	25,8	2	1 070 kW	780 kW

\* Valid informations for all references of same model. Example "PKA0087SS1", "PKA0087DS1" et "PKA0087SD2"

\*mWC = Meter of water column.

## PRICES

For primary temperatures = 90°C and secondary = 10/55°C :

Power (kW)	Reference SIMPLE primary pump & SIMPLE secondary pump	Reference DUAL primary pump & SIMPLE secondary pump	Reference DUAL primary pump & DUAL secondary pump
87	PKA0087SS1	PKA0087DS1	PKA0087DD2
118	PKA0118SS3	PKA0118DS3	PKA0118DD4
137	PKA0137SS3	PKA0137DS3	PKA0137DD4
158	PKA0158SS3	PKA0158DS3	PKA0158DD4
207	PKA0207SS3	PKA0207DS3	PKA0207DD4
230	PKA0230SS3	PKA0230DS3	PKA0230DD4
260	PKA0260SS3	PKA0260DS3	PKA0260DD4
277	PKA0277SS3	PKA0277DS3	PKA0277DD4
295	PKA0295SS3	PKA0295DS3	PKA0295DD4
320	PKA0320SS5	PKA0320DS5	PKA0320DD6
345	PKA0345SS5	PKA0345DS5	PKA0345DD6
367	PKA0367SS5	PKA0367DS5	PKA0367DD6
400	PKA0400SS5	PKA0400DS5	PKA0400DD6
460	PKA0460SS11	PKA0460DS11	PKA0460DD12
510	PKA0510SS11	PKA0510DS11	PKA0510DD12
555	PKA0555SS11	PKA0555DS11	PKA0555DD12
600	PKA0600SS11	PKA0600DS11	PKA0600DD12
645	PKA0645SS11	PKA0645DS11	PKA0645DD12
725	PKA0725SS11	PKA0725DS11	PKA0725DD12
800	PKA0800SS15	PKA0800DS15	PKA0800DD16
885	PKA0885SS15	PKA0885DS15	PKA0885DD16
930	PKA0930SS15	PKA0930DS15	PKA0930DD16
1 010	PKA1010SS15	PKA1010DS15	PKA1010DD16
1 070	PKA1070SS15	PKA1070DS15	PKA1070DD16
1 160	PKA1160SS15	PKA1160DS15	PKA1160DD16
1 245	PKA1245SS15	PKA1245DS15	PKA1245DD16
1 340	PKA1340SS15	PKA1340DS15	PKA1340DD16

\*Other regimes and power on request.