

Galvatherm flat heaters Assembly type D

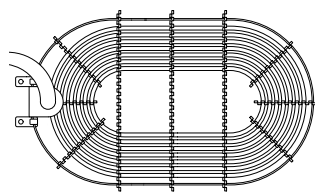
installation
at the bottom

“All plastic” models particularly adapted to small tank configurations and low powers. Small overall dimensions as the structure follows the oval shape of the heating part.

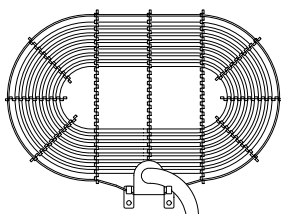
On plastic structure PVDF, PP or FEP



model represented with
exit on J (small side)



exit on J (small side)



exit on K (large side)

The Galvatherm heaters are specially designed with a cable that only heats the part that is to be continually immersed.

The cable is composed of a heating resistance insulated with thermal and electric components on which is co-extruded a Teflon® sheath insuring a reliable chemical resistance.

The cable is rolled up according dimensions & shapes proposed and held with PVDF, PP or FEP strips which ensure the right distance between the rolls. To secure completely the heating part it is then mounted on a flexible structure in PVDF, PP or FEP.

Electric safety : the Galvatherm heater complies with protection class 1 of EN 60519-1/2. The cable is screened throughout the entire length by a copper earthing strip. The earthing must be connected to the earth. In order to provide maximum safety, a fault-current (FI) protection device (30mA) should be used.

The Galvatherm heater is only planned to heat liquids.

Assembly type convenient for immersion heaters with reference P30 (thickness 30 mm), P40 (thickness 40 mm) and P90 (thickness 100 mm)

Options & Accessories

Extra length of cables



electrical cable C
of type HO5 VV-F (PVC)
or HO7 RN-F (Neopren)
non heating cable N
to go out of the tank

Removable guards



perforated plastic guard in
PP or PVDF
ref in PP : PRPPP
ref in PVDF : PRPPF

Feet



for installation at the bottom of
the tank, feet in PP or PVDF
(standard height 50 mm)
ref in PP : PIPP
ref in PVDF : PIPF

Cable-gland, Ø75 mm



allow between 200 to 300
mm extra on the H length
(H=installation height on N)
ref in PP : PEPP
ref in PVDF : PEPF

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Galvatherm flat heaters Reference table

The table below informs on the dimensions of the heating part and its references.

The reference number begins by P30, P40 or P90. These codes indicate the thickness 's device.

P30 = thickness 30 mm / P40 = 40 mm / P90 = 100 mm

All dimensions are given with a tolerance of ± 10 mm.

S I N G L E - P H A S E H E A T E R S					
KW	J x K	230V sg-ph	KW	J x K	230V sg-ph
0.5 kW	150 x 375	P30 03 05 2	4 kW	225 x 880	P30 07 40 2
	170 x 265	P30 04 05 2		260 x 700	P30 09 40 2
	185 x 210	P30 05 05 2		315 x 545	P30 12 40 2
	165 x 230	P40 03 05 2		330 x 515	P30 13 40 2
1 kW	150 x 605	P30 03 10 2		350 x 475	P30 14 40 2
	170 x 520	P30 04 10 2		385 x 435	P30 16 40 2
	185 x 365	P30 05 10 2		405 x 420	P30 17 40 2
	205 x 335	P30 06 10 2		205 x 810	P40 05 40 2
	220 x 290	P30 07 10 2		225 x 685	P40 06 40 2
	240 x 250	P30 08 10 2		245 x 595	P40 07 40 2
	165 x 395	P40 03 10 2		285 x 475	P40 09 40 2
	185 x 305	P40 04 10 2		310 x 435	P40 10 40 2
	205 x 255	P40 05 10 2		325 x 400	P40 11 40 2
	225 x 230	P40 06 10 2		345 x 375	P40 12 40 2
1.5 kW	165 x 680	P30 04 15 2	5 kW	340 x 580	P30 13 50 2
	205 x 425	P30 06 15 2		360 x 545	P30 14 50 2
	220 x 355	P30 07 15 2		375 x 520	P30 15 50 2
	240 x 315	P30 08 15 2		395 x 500	P30 16 50 2
	260 x 285	P30 10 15 2		410 x 475	P30 17 50 2
	185 x 375	P40 04 15 2		430 x 455	P30 18 50 2
	205 x 345	P40 05 15 2		450 x 445	P30 19 50 2
	225 x 275	P40 06 15 2		215 x 940	P40 05 50 2
	245 x 245	P40 07 15 2		235 x 790	P40 06 50 2
	245 x 245	P40 08 15 2		255 x 685	P40 07 50 2
2 kW	170 x 765	P30 04 20 2		275 x 605	P40 08 50 2
	185 x 635	P30 05 20 2		295 x 545	P40 09 50 2
	205 x 565	P30 06 20 2	315 x 495	P40 10 50 2	
	220 x 475	P30 07 20 2	335 x 460	P40 11 50 2	
	240 x 420	P30 08 20 2	355 x 430	P40 12 50 2	
	260 x 380	P30 09 20 2	375 x 405	P40 13 50 2	
	275 x 340	P30 10 20 2	395 x 390	P40 14 50 2	
	295 x 315	P30 11 20 2	6 kW	275 x 990	P30 10 60 2
	185 x 515	P40 04 20 2		295 x 855	P30 11 60 2
	210 x 420	P40 05 20 2		310 x 825	P30 12 60 2
225 x 350	P40 06 20 2	350 x 720		P30 14 60 2	
245 x 305	P40 07 20 2	365 x 645		P30 15 60 2	
265 x 275	P40 08 20 2	385 x 635		P30 16 60 2	
3 kW	205 x 925	P30 06 30 2		405 x 625	P30 17 60 2
	225 x 790	P30 07 30 2		420 x 570	P30 18 60 2
	240 x 690	P30 08 30 2		440 x 550	P30 19 60 2
	260 x 620	P30 09 30 2		455 x 545	P30 20 60 2
	275 x 555	P30 10 30 2		475 x 540	P30 21 60 2
	295 x 510	P30 11 30 2		265 x 785	P40 08 60 2
	315 x 460	P30 12 30 2	305 x 635	P40 10 60 2	
	330 x 440	P30 13 30 2	325 x 585	P40 11 60 2	
	345 x 410	P30 14 30 2	350 x 550	P40 12 60 2	
	365 x 390	P30 15 30 2	365 x 505	P40 13 60 2	
	370 x 385	P30 16 30 2	390 x 470	P40 14 60 2	
	205 x 685	P40 05 30 2	405 x 455	P40 15 60 2	
	225 x 575	P40 06 30 2	425 x 425	P40 16 60 2	
	245 x 500	P40 07 30 2	300 x 300	P90 10 60 2	
265 x 445	P40 08 30 2	List of other voltages available : • 110V single-phase : 0.5 kW, 1 kW, 1.5 kW, 2 kW • 460V single-phase : 1 kW, 1.5 kW, 2 kW, 3 kW, 4 kW, 5 kW, 6 kW			
285 x 400	P40 09 30 2				
325 x 340	P40 11 30 2				
340 x 340	P40 12 30 2				

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Galvatherm flat heaters Codification

Construction of the reference number

P30	03	05	2	J	F	0	0	D	1
thickness code	JxK code	power code	voltage code	exit code	cable code	N length code	C length code	assembly code	materials code
P30	03	05 = 0.5 kW	1 = 110V M	J = petit côté	F	0 = 1m	0 = 1m	D	1
P40	04	10 = 1 kW	2 = 230V M	K = grand côté	G	1 = 1,5m	1 = 1,5m		2
P90	...	15 = 1.5 kW	3 = 460V M		P	2 = 2 m	2 = 2 m		3
		20 = 2 kW	4 = 230V T		D	3 = 2,5m	3 = 2,5m		4
		30 = 3 kW	5 = 400V T		E	4 = 3m	4 = 3m		5
		40 = 4 kW	6 = 460V T		H	5 = 3,5m	5 = 3,5m		
		45 = 4.5 kW				6 = 4m	6 = 4m		
		50 = 5 kW				7 = 4,5m	7 = 4,5m		
		60 = 6 kW				8 = 5m	8 = 5m		
		90 = 9 kW				9 = sup.5m	9 = sup.5m		
		12 = 12 kW							
		13 = 15 kW							

cable code details

F = FEP single layer 1 W/cm²
 G = FEP double layer 1 W/cm²
 P = PFA single layer 1 W/cm²
 D = PFA double layer 1 W/cm²
 E = PFA double layer 0,5 W/cm²
 H = PFA single layer 0,5 W/cm²

assembly code details

D = strip frame + perpendicular

support materials code

code	frame	strips	other pieces
1	PVDF	PVDF	PVDF
2	PP	PP	PP
3*	FEP	FEP	-
4*	FEP	FEP	PVDF
5*	FEP	FEP	PP

* Please contact us