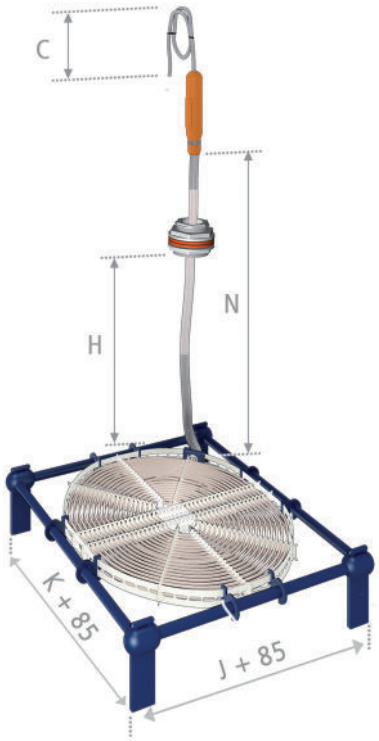
Flat heaters type F, for frost protection

Galvatherm®

Update 23/10/2026

Rigid structure ideal for important powers

With options Feet & Cable-gland these models are specifically adapted to keep liquid storage tanks from freezing, all sizes with or without double wall. Installation through the inspection trap (ø 500 mm minimum).



Can be installed in a tank filled when support feet are ordered on each side of the heating part.
Can be passed through the inspection trap without interfering with the tank.
For a complete efficiency we recommend a cable-gland installed on the non heating part N - positioning hole ø 75 mm to be planned on the dome - and a PFA coated PT100 probe mounted on heater.

Length H corresponds to the installation height of the cable-gland on the N part.
To ensure a proper positioning and avoid any mechanical damage of the cable, please allow an extra 300 mm on the H length.

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

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..

Options and Accessories

The Galvatherm heater is only planned to heat liquids.

Extra length of cables



Electrical connecting cable C
of type H05 VV-F (PVC) or H07 RN-F (Neopren)

Non heating cable N
to go out of the tank

Feet for type F



Feet (standard 100 mm)
PP, PVDF or stainless steel for installation at fthe bottom
Ref in PP : PIPP4-100
Ref in PVDF : PIPF4-100
Ref in stainless steel : PIIN4-100
(additional ballast possible)

Probe mounted on heater



PFA coated PT100 probe 2,3 or 4 wires, installed at the factory. Closed tank : the probe goes through the same cable-gland as the one of the heater. Fixed by PP or Tefzel clamps
Ref : contact us

Removable guard



Perforated plastic guard
PP ou PVDF

Ref in PP : PRPPP
Ref in PVDF : PRPPF

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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Flat heaters, reference numbers Galvatherm®

Update 23/10/2026

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.
Standard cable coating : PFA single layer. Double layer please contact us.

SINGLE-PHASE IMMERSION HEATERS

KW	J x K	230V mono
0.5 kW	170 x 265	P30 04 05 2
	185 x 210	**P30 05 05 2**
	165 x 230	P40 03 05 2
1 kW	150 x 605	P30 03 10 2
	170 x 520	P30 04 10 2
	185 x 365	P30 05 10 2
	205 x 335	P30 06 10 2
	220 x 290	P30 07 10 2
	240 x 250	**P30 08 10 2**
	165 x 395	P40 03 10 2
	185 x 305	P40 04 10 2
	205 x 255	P40 05 10 2
	225 x 230	P40 06 10 2
1.5 kW	165 x 680	P30 04 15 2
	205 x 425	P30 06 15 2
	220 x 355	P30 07 15 2
	240 x 315	P30 08 15 2
	260 x 285	**P30 10 15 2**
	185 x 375	P40 04 15 2
	205 x 345	P40 05 15 2
	225 x 275	P40 06 15 2
	245 x 245	P40 07 15 2
	245 x 245	P40 08 15 2
2 kW	170 x 765	P30 04 20 2
	185 x 635	P30 05 20 2
	205 x 565	P30 06 20 2
	220 x 475	P30 07 20 2
	240 x 420	P30 08 20 2
	260 x 380	P30 09 20 2
	275 x 340	P30 10 20 2
	295 x 315	**P30 11 20 2**
	185 x 515	P40 04 20 2
	210 x 420	P40 05 20 2
	225 x 350	P40 06 20 2
	245 x 305	P40 07 20 2
	265 x 275	P40 08 20 2
3 kW	205 x 925	P30 06 30 2
	225 x 790	P30 07 30 2
	240 x 690	P30 08 30 2
	260 x 620	P30 09 30 2
	275 x 555	P30 10 30 2
	295 x 510	P30 11 30 2
	315 x 460	P30 12 30 2
	330 x 440	P30 13 30 2
	345 x 410	P30 14 30 2
	365 x 390	P30 15 30 2
	370 x 385	**P30 16 30 2**
	205 x 685	P40 05 30 2
	225 x 575	P40 06 30 2
	245 x 500	P40 07 30 2
	265 x 445	P40 08 30 2
	285 x 400	P40 09 30 2
	325 x 340	P40 11 30 2
	340 x 340	P40 12 30 2

KW	J x K	230V mono
4 kW	225 x 880	P30 07 40 2
	260 x 700	P30 09 40 2
	315 x 545	P30 12 40 2
	330 x 515	P30 13 40 2
	350 x 475	P30 14 40 2
	385 x 435	P30 16 40 2
	405 x 420	**P30 17 40 2**
	205 x 810	P40 05 40 2
	225 x 685	P40 06 40 2
	245 x 595	P40 07 40 2
	285 x 475	P40 09 40 2
	310 x 435	P40 10 40 2
	325 x 400	P40 11 40 2
	345 x 375	P40 12 40 2
6 kW	275 x 990	P30 10 60 2
	295 x 855	P30 11 60 2
	310 x 825	P30 12 60 2
	350 x 720	P30 14 60 2
	365 x 645	P30 15 60 2
	385 x 635	P30 16 60 2
	405 x 625	P30 17 60 2
	420 x 570	P30 18 60 2
	440 x 550	P30 19 60 2
	455 x 545	P30 20 60 2
	475 x 540	**P30 21 60 2**
	265 x 785	P40 08 60 2
	305 x 635	P40 10 60 2
	325 x 585	P40 11 60 2
	350 x 550	P40 12 60 2
	365 x 505	P40 13 60 2
	390 x 470	P40 14 60 2
	405 x 455	P40 15 60 2
	425 x 425	P40 16 60 2
	300 x 300	P90 10 60 2

List of other single-phase 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, 6 kW

Flat heaters, reference numbers

Galvatherm®

Update 23/10/2026

THREE-PHASES IMMERSION HEATERS

KW	J x K	230V 3-ph	400V 3-ph
1.5 kW	170 x 680	P30 04 15 4	P30 04 15 5
	205 x 475	P30 06 15 4	P30 06 15 5
	225 x 440	P30 07 15 4	P30 07 15 5
	240 x 360	P30 08 15 4	P30 08 15 5
	280 x 340	**P30 10 15 4**	**P30 10 15 5**
	185 x 380	P40 04 15 4	P40 04 15 5
	205 x 375	P40 05 15 4	P40 05 15 5
	225 x 325	P40 06 15 4	P40 06 15 5
	245 x 275	P40 07 15 4	P40 07 15 5
	270 x 270	P40 08 15 4	P40 08 15 5
	195 x 195	P90 05 15 4	P90 05 15 5
3 kW	205 x 905	P30 06 30 4	P30 06 30 5
	225 x 910	P30 07 30 4	P30 07 30 5
	240 x 700	P30 08 30 4	P30 08 30 5
	260 x 705	P30 09 30 4	P30 09 30 5
	275 x 580	P30 10 30 4	P30 10 30 5
	295 x 575	P30 11 30 4	P30 11 30 5
	315 x 490	P30 12 30 4	P30 12 30 5
	330 x 465	P30 13 30 4	P30 13 30 5
	350 x 450	P30 14 30 4	P30 14 30 5
	370 x 410	P30 15 30 4	P30 15 30 5
	380 x 395	**P30 16 30 4**	**P30 16 30 5**
	205 x 735	P40 05 30 4	P40 05 30 5
	230 x 615	P40 06 30 4	P40 06 30 5
	250 x 545	P40 07 30 4	P40 07 30 5
	265 x 470	P40 08 30 4	P40 08 30 5
	285 x 420	P40 09 30 4	P40 09 30 5
	325 x 360	P40 11 30 4	P40 11 30 5
	340 x 340	P40 12 30 4	P40 12 30 5
	250 x 250	P90 07 30 4	P90 07 30 5
4.5 kW	240 x 905	P30 08 45 4	P30 08 45 5
	275 x 750	P30 10 45 4	P30 10 45 5
	295 x 730	P30 11 45 4	P30 11 45 5
	315 x 625	P30 12 45 4	P30 12 45 5
	350 x 535	P30 14 45 4	P30 14 45 5
	370 x 520	P30 15 45 4	P30 15 45 5
	385 x 505	P30 16 45 4	P30 16 45 5
	405 x 460	P30 17 45 4	P30 17 45 5
	420 x 440	**P30 18 45 4**	**P30 18 45 5**
	265 x 595	P40 08 45 4	P40 08 45 5
	285 x 535	P40 09 45 4	P40 09 45 5
	305 x 480	P40 10 45 4	P40 10 45 5
	325 x 445	P40 11 45 4	P40 11 45 5
	345 x 425	P40 12 45 4	P40 12 45 5
	365 x 395	P40 13 45 4	P40 13 45 5
	380 x 380	P40 14 45 4	P40 14 45 5
	265 x 265	P90 09 45 4	P90 09 45 5
6 kW	275 x 990	P30 10 60 4	P30 10 60 5
	295 x 855	P30 11 60 4	P30 11 60 5
	310 x 825	P30 12 60 4	P30 12 60 5
	350 x 720	P30 14 60 4	P30 14 60 5
	365 x 645	P30 15 60 4	P30 15 60 5
	385 x 635	P30 16 60 4	P30 16 60 5
	405 x 625	P30 17 60 4	P30 17 60 5
	420 x 570	P30 18 60 4	P30 18 60 5
	440 x 550	P30 19 60 4	P30 19 60 5
	455 x 545	P30 20 60 4	P30 20 60 5
	475 x 540	**P30 21 60 4**	**P30 21 60 5**
	265 x 785	P40 08 60 4	P40 08 60 5
	305 x 635	P40 10 60 4	P40 10 60 5
	325 x 585	P40 11 60 4	P40 11 60 5
	350 x 550	P40 12 60 4	P40 12 60 5
	365 x 505	P40 13 60 4	P40 13 60 5
	390 x 470	P40 14 60 4	P40 14 60 5
	405 x 455	P40 15 60 4	P40 15 60 5
	425 x 425	P40 16 60 4	P40 16 60 5
	300 x 300	P90 10 60 4	P90 10 60 5

KW	J x K		230V 3-ph	400V 3-ph
9 kW	400 x 975	*	P30 17 90 4	P30 17 90 5
	435 x 870		P30 19 90 4	P30 19 90 5
	475 x 800		P30 21 90 4	P30 21 90 5
	490 x 790		P30 22 90 4	P30 22 90 5
	525 x 720		P30 24 90 4	P30 24 90 5
	545 x 705		P30 25 90 4	P30 25 90 5
	565 x 695		P30 26 90 4	P30 26 90 5
	600 x 675		**P30 28 90 4**	**P30 28 90 5**
	345 x 890		P40 12 90 4	P40 12 90 5
	385 x 775		P40 14 90 4	P40 14 90 5
	405 x 730		P40 15 90 4	P40 15 90 5
	425 x 685		P40 16 90 4	P40 16 90 5
	445 x 655		P40 17 90 4	P40 17 90 5
	465 x 625		P40 18 90 4	P40 18 90 5
	505 x 575		P40 20 90 4	P40 20 90 5
	525 x 565		P40 21 90 4	P40 21 90 5
	375 x 375		P90 15 90 4	P90 15 90 5
12 kW	430 x 1075	*		P30 18 12 5
	440 x 1070	*		P30 19 12 5
	510 x 885			P30 23 12 5
	585 x 785			**P30 27 12 5**
	385 x 915			P40 14 12 5
	405 x 860			P40 15 12 5
	425 x 800			P40 16 12 5
	465 x 740			P40 18 12 5
	485 x 705			P40 19 12 5
	505 x 680			P40 20 12 5
	545 x 625			P40 22 12 5
	585 x 595			P40 24 12 5
	410 x 410			P90 16 12 5
15 kW	430 x 1245	*		P30 18 13 5
	445 x 1235	*		P30 19 13 5
	465 x 1140	*		P30 20 13 5
	485 x 1125	*		P30 21 13 5
	500 x 1045	*		P30 22 13 5
	520 x 1030	*		P30 23 13 5
	540 x 1035	*		P30 24 13 5
	555 x 950	*		P30 25 13 5
	575 x 940	*		P30 26 13 5
	595 x 925	*		**P30 27 13 5**
	375 x 1125	*		P40 13 13 5
	395 x 1055	*		P40 14 13 5
	415 x 1000	*		P40 15 13 5
	435 x 940			P40 16 13 5
	455 x 890			P40 17 13 5
	475 x 850			P40 18 13 5
	495 x 810			P40 19 13 5
	515 x 780			P40 20 13 5
	535 x 750			P40 21 13 5
	555 x 725			P40 22 13 5
	575 x 700			P40 23 13 5
	595 x 690			P40 24 13 5
	615 x 660			P40 25 13 5
	635 x 640			P40 26 13 5
	450 x 450			P90 17 13 5

For the construction of the reference, see following page.

Attention P90 type F :
Add 25 mm on J and K to the dimensions written

* **If feet option :** 6 feet required instead of 4

Other voltage available :
460V three-phases : 3 kW, 4.5 kW, 6 kW, 9 kW, 12 kW, 15 kW

Flat heaters, codification

Galvatherm®

Update 23/10/2026

Construction of the reference number

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

Cable code details

P = PFA single layer 1 W/cm²
D = PFA double layer 1 W/cm²

Assembly code details

F = with a rod frame
H = for rod frame

Support materials code

code	frame	strips	other pieces
1 =	PVDF	PVDF	PVDF
2 =	PP	PP	PP
6 =	PVDF	PFA	PVDF
7 =	PP	PFA	PP
8* =	inox	PFA	PP

**** Please contact us***

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