

# Cylindrical heaters, type P

Galvatherm®

Models adapted to all classical tank configurations and offering a large exchange surface in a minimum bulk.

Installation at the bottom

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 or PP strips which ensure the right distance between the rolls. To secure completely the heating part it is then mounted on a plastic rod in PVDF or PP.

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.



**Assembly type convenient for immersion heaters with diameter 85 mm and 120 mm**

**A = heating part**

**X = overall height**

**The X length cannot exceed 1800 mm**

**On a plastic rod structure (Ø 20 mm) in PP or PVDF**

## 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

### Removable guard



**Perforated plastic guard** in PP only  
For C85 and C12 models

Ref : PRCPP

### 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



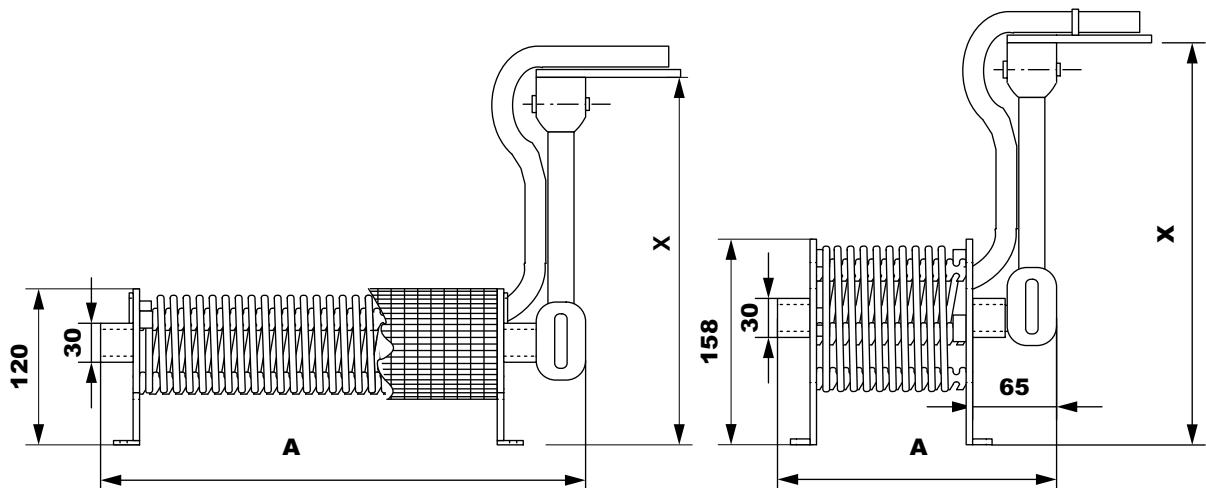
# Cylindrical heaters, type P

Galvatherm®

Single-phase					Three-phases					
kW		ØD	A	230V	kW		ØD	A	230V	400V
<b>M O N T A G E P</b>										
<b>0.5 kW</b>	sg-ph	85	225	C85052	<b>1.5 kW</b>	3-ph	85	505	C85154	C85155
<b>1 kW</b>	sg-ph	85	320	C85102	<b>3 kW</b>	3-ph	85	815	C85304	C85305
<b>1.5 kW</b>	sg-ph	85	370	C85152	<b>4.5 kW</b>	3-ph	85	960	C85454	C85455
<b>2 kW</b>	sg-ph	85	450	C85202	<b>4.5 kW</b>	3-ph	125	630	C12454	C12455
<b>3 kW</b>	sg-ph	85	680	C85302	<b>6 kW</b>	3-ph	85	1200	C85604	C85605
<b>4 kW</b>	sg-ph	85	790	C85402	<b>6 kW</b>	3-ph	125	780	C12604	C12605
<b>5 kW</b>	sg-ph	85	900	C85502	<b>9 kW</b>	3-ph	125	1200	C12904	C12905
<b>6 kW</b>	sg-ph	85	1200	C85602	<b>12 kW</b>	3-ph	125	1380	C12124	C12125
<b>6 kW</b>	sg-ph	125	780	C12602	<b>15 kW</b>	3-ph	125	1580	C12134	C12135

ØD = outside diameter  
 A = overall length of the heating part  
 All dimensions are given ± 10 mm

**Other voltages available :** • 110V single-phase : from 0.5 kW to 2 kW • 460V single-phase : from 1 kW to 6 kW • 460V three-phases : from 3 kW to 15 kW • Standard cable coating in FEP single layer. Other coatings, please contact us for the choice. For the construction of the reference, see following page.



C85 (ø 85 mm)

C12 (ø 125 mm)



## Construction of the reference number

C85	00	05	2	0	F	0	0	S	1
diametre code	dim. code	power code	voltage code	0	cable code	N length code	C length code	assembly code	materials code
C85 = 85 mm C12 = 125 mm	00	05 = 0.5 kW 10 = 1 kW 15 = 1.5 kW 20 = 2 kW 30 = 3 kW 40 = 4 kW 45 = 4.5 kW 50 = 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	0	F G 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	P	1 2

### Cable code details

- F = FEP single layer 1 W/cm<sup>2</sup>
- G = FEP double layer 1 W/cm<sup>2</sup>
- P = PFA single layer 1 W/cm<sup>2</sup>
- D = PFA double layer 1 W/cm<sup>2</sup>

### Assembly code details

P = perpendicular

### Support materials code

code	strips	other pieces
1 =	PVDF	PVDF
2 =	PP	PP

