

ELVARME

BADVARMERE



GALVATHERM

NEWTRONIC 

FLAT HEATERS TYPE A

MODELS ADAPTED TO ALL CLASSICAL TANK CONFIGURATIONS AND OFFERING A LARGE EXCHANGE SURFACE IN A MINIMUM BULK.

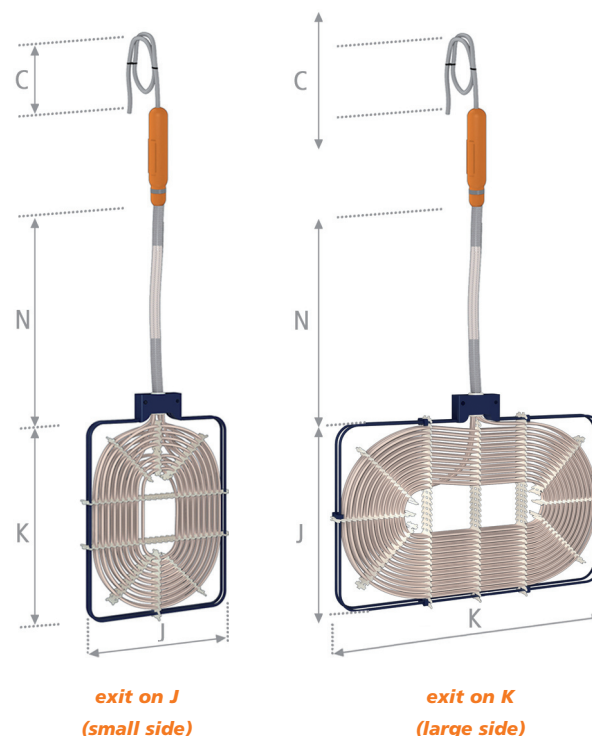
**Installation on the side
or at the bottom**

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, PP or FEP strips which ensure the right distance between the rolls. To secure completely the heating part it is then mounted on a metallic frame coated with PVDF, PP or FEP or on a stainless steel frame.

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 A



Standard height 50 mm
Other heights possible
For installation at the bottom of the tank.

Ref in PP : PIPP
Ref in PVDF : PIPF
Ref in PTFE : PIPTFE
Ref in inox : PIIN

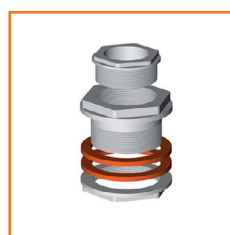
Removable guard



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

FLAT HEATERS, CODIFICATION

CONSTRUCTION OF THE REFERENCE NUMBER

P30	03	05	2	J	F	0	0	A	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	03	05 = 0.5 kW	1 = 110V M	J = small side	F	0 = 1m	0 = 1m	A	1
P40	04	10 = 1 kW	2= 230V M	K= large side	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			4 = 3m	4 = 3m		5
		40 = 4 kW	6= 460V T			5 = 3,5m	5 = 3,5m		6
		45 = 4.5 kW				6 = 4m	6 = 4m		7
		60 = 6 kW				7 = 4,5m	7 = 4,5m		8
		90 = 9 kW				8 = 5m	8 = 5m		
		12 = 12 kW				9 = sup.5m	9 = sup.5m		
		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

Assembly code details

A = coated frame

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
6	= PVDF	FEP	PVDF
7	= PP	FEP	PP
8*	= stainless steel	FEP	PP

* Please contact us

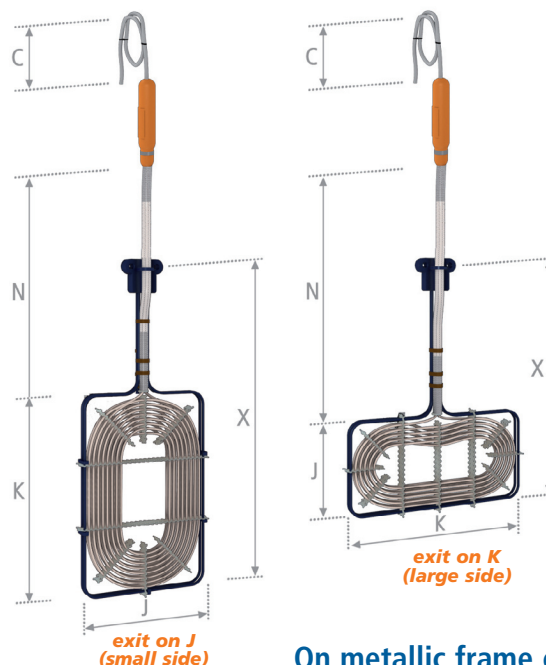
FLAT HEATERS B

Installation on the side

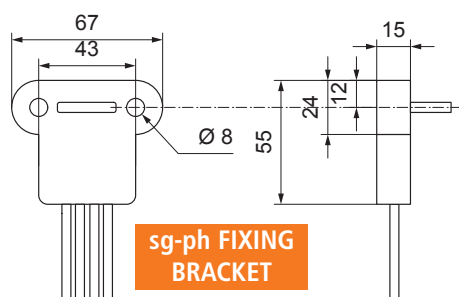
The cable is rolled up according dimensions & shapes proposed and held with PVDF, PP or FEP strips which ensure the right distance between the rolls. To secure completely the heating part it is then mounted on a metallic frame coated with PVDF, PP or FEP or on a stainless steel frame.

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.

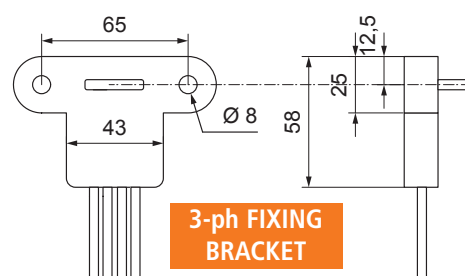
Assembly type convenient for immersion heaters with reference P30 (thickness 30 mm) , P40 (thickness 40 mm) , P90 (thickness 100 mm)
Maximum X length = 1800 mm



**On metallic frame coated PP, PVDF, FEP or stainless steel frame
 Recommended up to 6 kW**



**sg-ph FIXING
 BRACKET**



**3-ph FIXING
 BRACKET**

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

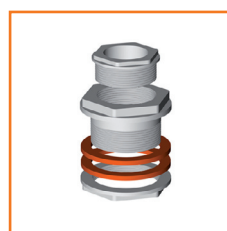
Removable guard



Perforated plastic guard
 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

FLAT HEATERS, CODIFICATION

CONSTRUCTION OF THE REFERENCE NUMBER

P30	03	05	2	J	F	0	0	B	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	03	05 = 0.5 kW	1 = 110V M	J = small side	F	0 = 1m	0 = 1m	B	1
P40	04	10 = 1 kW	2= 230V M	K = large side	G	1 = 1,5m	1 = 1,5m		2
P90	...	15 = 1.5 kW	3= 460V M		P	2 = 2 m	2 = 2 m		4
		20 = 2 kW	4 = 230V T		D	3 = 2,5m	3 = 2,5m		5
		30 = 3 kW	5= 400V T			4 = 3m	4 = 3m		6
		40 = 4 kW	6= 460V T			5 = 3,5m	5 = 3,5m		7
		45 = 4.5 kW				6 = 4m	6 = 4m		8
		60 = 6 kW				7 = 4,5m	7 = 4,5m		
		90 = 9 kW				8 = 5m	8 = 5m		
		12 = 12 kW				9 = sup.5m	9 = sup.5m		
		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

Détail du code montage

B = coated frame with fixing bracket

Support materials code

code	frame	strips	other pieces
1	= PVDF	PVDF	PVDF
2	= PP	PP	PP
4	= FEP	FEP	PVDF
5	= FEP	FEP	PP
6	= PVDF	FEP	PVDF
7	= PP	FEP	PP
8*	= stainless steel	FEP	PP

* Please contact us

FLAT HEATERS TYPE C

PARTICULARLY ADAPTED TO SMALL TANK AND LOW POWERS. SMALL OVERALL DIMENSIONS AS THE STRUCTURE FOLLOWS THE OVAL SHAPE OF THE HEATING PART.

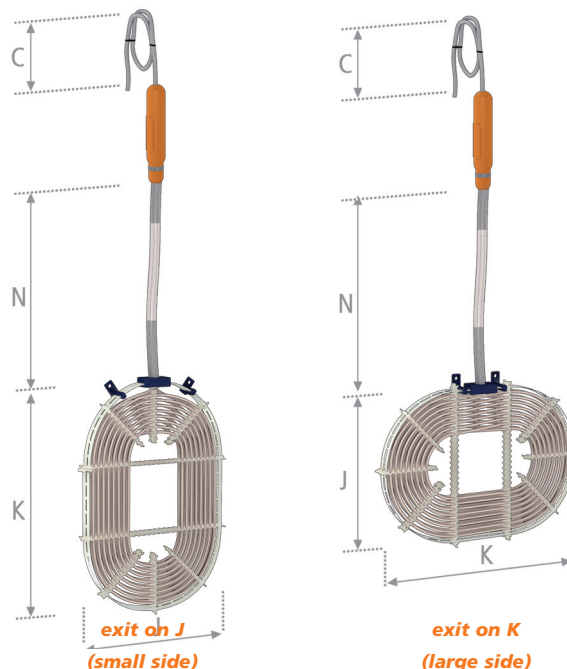
Installation on the side or at the bottom

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, 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..



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

Options and Accessories

The Galvatherm heater is only planned to heat liquids.

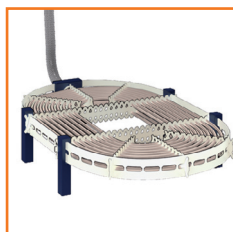
Extra length of cables



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 C



Standard height 50 mm
Other heights possible
For installation at the bottom of the tank
Ref in PP : PIPP
Ref in PVDF : PIPF
Ref in PTFE : PIPTFE

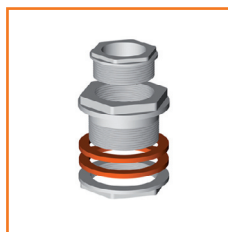
Removable guard



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

FLAT HEATERS, CODIFICATION

CONSTRUCTION OF THE REFERENCE NUMBER

P30	03	05	2	J	F	0	0	C	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	03	05 = 0.5 kW	1 = 110V M	J = small side	F	0 = 1m	0 = 1m	C	1
P40	04	10 = 1 kW	2= 230V M	K= large side	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			4 = 3m	4 = 3m		5
		40 = 4 kW	6= 460V T			5 = 3,5m	5 = 3,5m		6
		45 = 4.5 kW				6 = 4m	6 = 4m		7
		60 = 6 kW				7 = 4,5m	7 = 4,5m		
		90 = 9 kW				8 = 5m	8 = 5m		
		12 = 12 kW				9 = sup.5m	9 = sup.5m		
		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

Assembly code details

C = strip frame

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
6	= PVDF	FEP	PVDF
7	= PP	FEP	PP

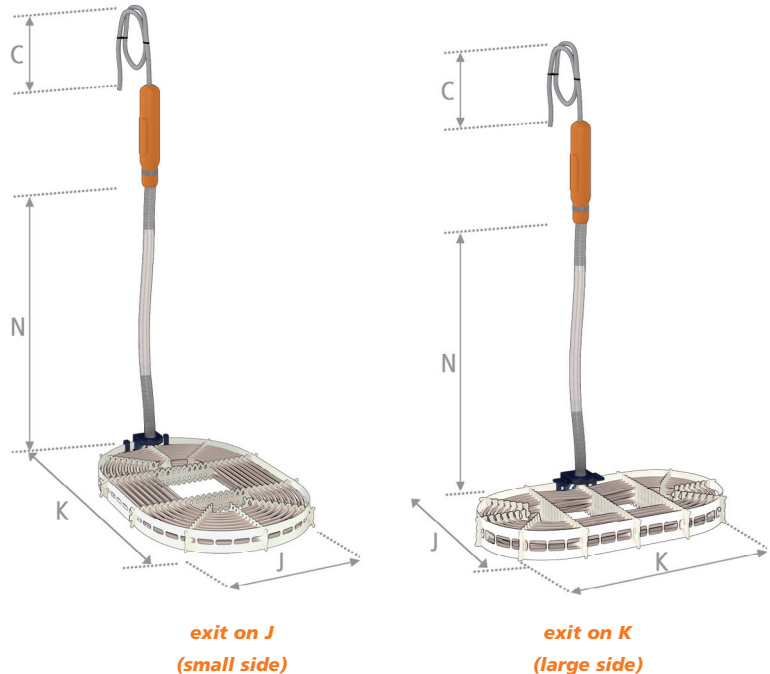
FLAT HEATERS TYPE D

Installation on the 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 coextruded 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..



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

On a plastic strip structure PVDF, PP or FEP

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 D



Standard height 50 mm
Other heights possible
For installation at the bottom
Ref in PP : PIPP
Ref in PVDF : PIPF
Ref in PTFE : PIPTFE

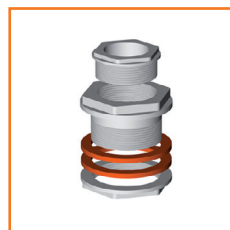
Removable guard



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

FLAT HEATERS, CODIFICATION

CONSTRUCTION OF THE REFERENCE NUMBER

P30	03	05	2	J	F	0	0	D	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	03	05 = 0.5 kW	1 = 110V M	J = small side	F	0 = 1m	0 = 1m	D	1
P40	04	10 = 1 kW	2= 230V M	K= large side	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			4 = 3m	4 = 3m		5
		40 = 4 kW	6= 460V T			5 = 3,5m	5 = 3,5m		6
		45 = 4.5 kW				6 = 4m	6 = 4m		7
		60 = 6 kW				7 = 4,5m	7 = 4,5m		
		90 = 9 kW				8 = 5m	8 = 5m		
		12 = 12 kW				9 = sup.5m	9 = sup.5m		
		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

Assembly code details

D = strip frame + perp.

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
6	= PVDF	FEP	PVDF
7	= PP	FEP	PP

* Please contact us

FLAT HEATERS TYPE F

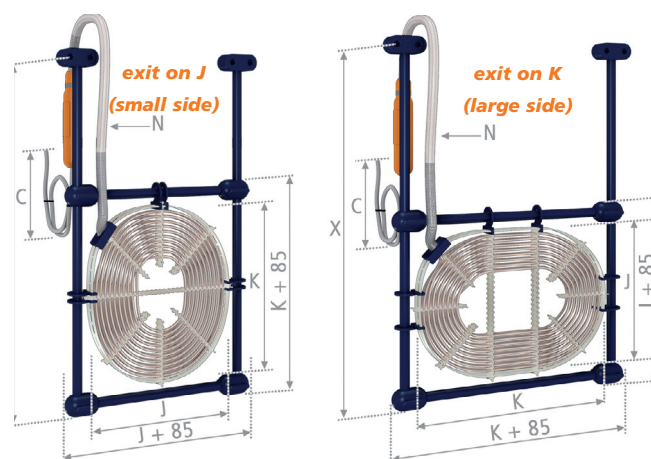
UNIVERSAL MODEL FOR ALL TYPES OF INSTALLATION SUCH AS SIDE OF TANK, BOTTOM OF TANK WITH FEET OR ON SLIDINGS. RIGID STRUCTURE IDEAL FOR IMPORTANT POWERS.

Installation on the side or at the bottom

This modular assembly type provides a satisfactory installation of the heaters in all situations. 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 rigid rod structure in PVDF or PP.

The heater is secured on the rod structure by clips which, whenever needed, make the removal of the heating part easier.

Warning : The reference table of the flat heaters (next pages) does not give the overall dimensions of the F range assembly type : 85 mm \pm 10 mm must be added to each length and width.



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 use

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

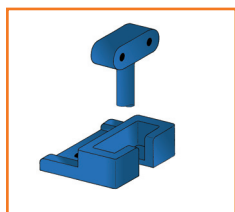
Feet for type A



Standard height 50 mm
Other heights possible
For installation at the bottom of the tank.

Ref in PP : PIPP
Ref in PVDF : PIPF
Ref in PTFE : PIPTFE

Frame supports



Frame supports
PP or PVDF, to fix on the edge of the tank

Réf in PP : SUPP
Réf in PVDF : SUPF

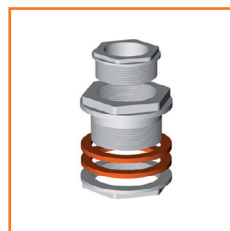
Removable guard



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

FLAT HEATERS, CODIFICATION

CONSTRUCTION OF THE REFERENCE NUMBER

P30	03	05	2	J	F	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	03	05 = 0.5 kW	1 = 110V M	J = small side	F	0 = 1m	0 = 1m	F	1
P40	04	10 = 1 kW	2= 230V M	K = large side	G	1 = 1,5m	1 = 1,5m		2
P90	...	15 = 1.5 kW	3= 460V M		P	2 = 2 m	2 = 2 m		6
		20 = 2 kW	4 = 230V T		D	3 = 2,5m	3 = 2,5m		7
		30 = 3 kW	5= 400V T			4 = 3m	4 = 3m		8
		40 = 4 kW	6= 460V T			5 = 3,5m	5 = 3,5m		
		45 = 4.5 kW				6 = 4m	6 = 4m		
		60 = 6 kW				7 = 4,5m	7 = 4,5m		
		90 = 9 kW				8 = 5m	8 = 5m		
		12 = 12 kW				9 = sup.5m	9 = sup.5m		
		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

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	FEP	PVDF
7	PP	FEP	PP
8*	inox	FEP	PP

* Please contact us

FLAT HEATERS TYPE F FOR FROST PROTECTION

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.

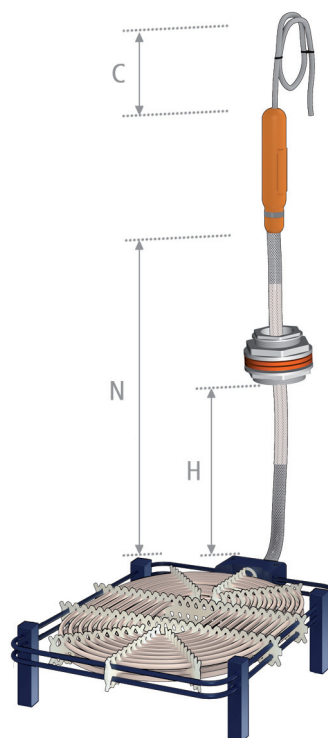
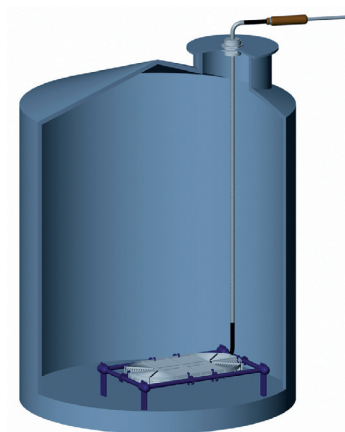
For a complete efficiency we recommend a cable-gland installed on the non heating part N - positioning hole Ø 75 mm to be planned on the dome - and a FEP Teflon® coated PT100 probe mounted on heater.

Assembly type A : particularly suitable up to 6 kW

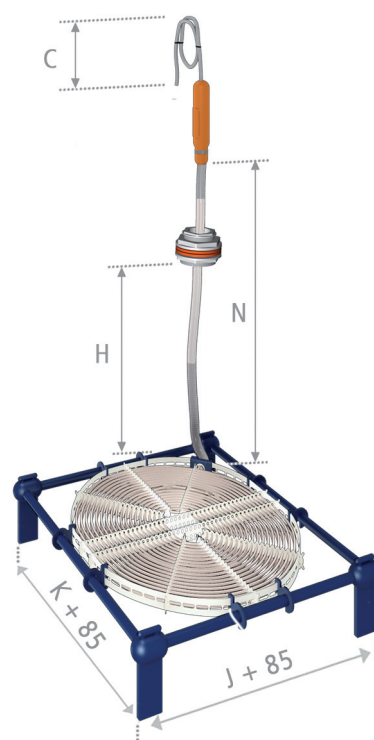
Assembly type F: ideal for important powers

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.



Assembly type A



Assembly type F

Other options

The Galvatherm heater is only planned to heat liquids.

Feet on each side



Feet (standard 100 mm)
PP, PVDF or stainless steel for installation at the bottom
Ref in PP : PIPP
Ref in PVDF : PIPF
Ref in stainless steel : PIIN
(additional ballast possible)
Réf en PVDF : PIPF

Probe mounted on heater



Teflon® 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

FLAT HEATERS, CODIFICATION

CONSTRUCTION OF THE REFERENCE NUMBER

P30	03	05	2	J	F	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	03	05 = 0.5 kW	1 = 110V M	J = petit côté	F	0 = 1m	0 = 1m	A	1
P40	04	10 = 1 kW	2= 230V M	K= grand côté	G	1 = 1,5m	1 = 1,5m	F	2
P90	...	15 = 1.5 kW	3= 460V M		P	2 = 2 m	2 = 2 m		6
		20 = 2 kW	4 = 230V T		D	3 = 2,5m	3 = 2,5m		7
		30 = 3 kW	5= 400V T			4 = 3m	4 = 3m		8
		40 = 4 kW	6= 460V T			5 = 3,5m	5 = 3,5m		
		45 = 4.5 kW				6 = 4m	6 = 4m		
		60 = 6 kW				7 = 4,5m	7 = 4,5m		
		90 = 9 kW				8 = 5m	8 = 5m		
		12 = 12 kW				9 = sup.5m	9 = sup.5m		
		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

Assembly code details

A = coated frame

F = with a rod frame

H = for rod frame

Support materials code

code	frame	strips	other pieces	applicable to assembly types :	
1	= PVDF	PVDF	PVDF	A	F
2	= PP	PP	PP	A	F
3	= FEP	FEP	-	A	
4	= FEP	FEP	PVDF	A	
5	= FEP	FEP	PP	A	
6	= PVDF	FEP	PVDF	A	F
7	= PP	FEP	PP	A	F
8*	= stainless steel	FEP	-	A	F

* Please contact us

CYLINDRICAL HEATERS, TYPE S

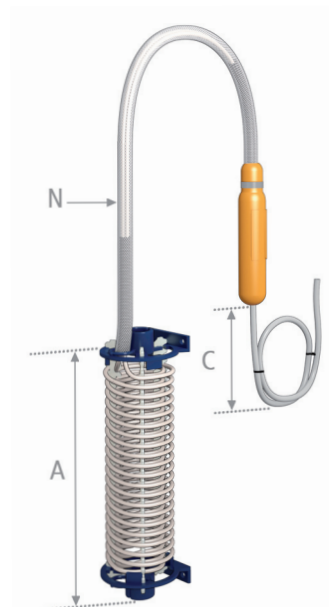
MODELS ADAPTED TO ALL CLASSICAL TANK CONFIGURATIONS AND OFFERING A LARGE EXCHANGE SURFACE IN A MINIMUM BULK.

**Installation on the side
or 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.

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

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 S



Standard height 35 mm
For installation at the bottom of the tank
For C85 et C12 models

Ref in PP : PICPP
Ref in PVDF : PICPF

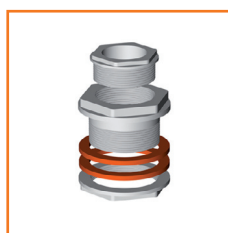
Removable guard



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)

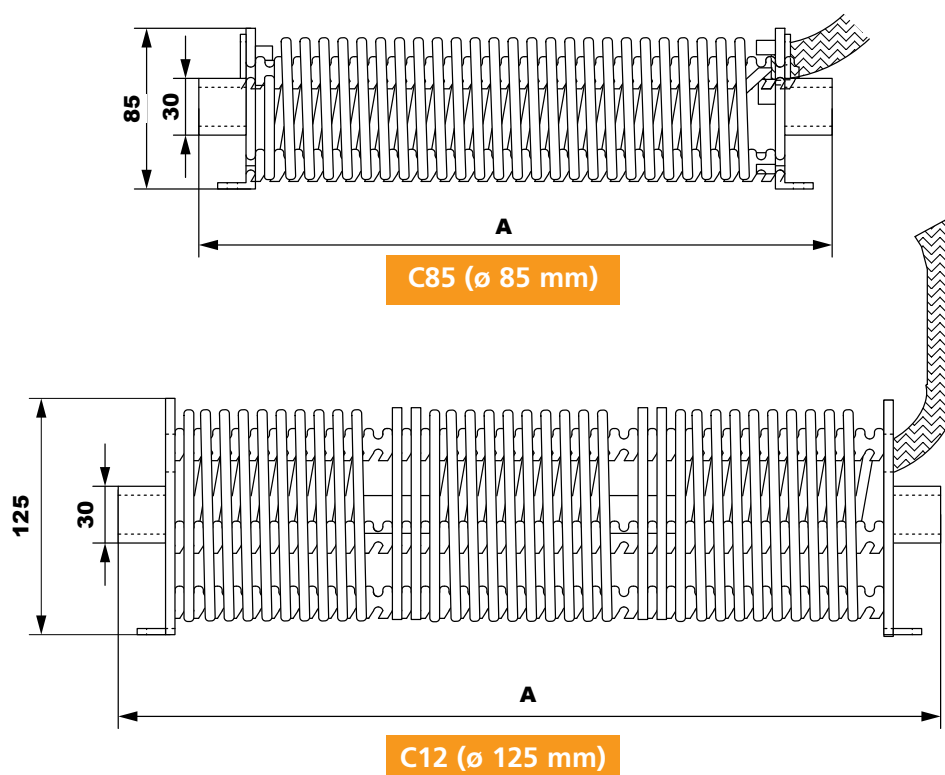
Ref in PP : PEPP
Ref in PVDF : PEPF

CYLINDRICAL HEATERS, TYPE S

Single-phase					Three-phases				
kW		ØD	A	230V	kW		ØD	A	230V 400V
M O N T A G E S									
0.5 kW	sg-ph	85	165	C85052	1.5 kW	3-ph	85	465	C85154 C85155
1 kW	sg-ph	85	260	C85102	3 kW	3-ph	85	775	C85304 C85305
1.5 kW	sg-ph	85	310	C85152	4.5 kW	3-ph	85	920	C85454 C85455
2 kW	sg-ph	85	390	C85202	4.5 kW	3-ph	125	590	C12454 C12455
3 kW	sg-ph	85	620	C85302	6 kW	3-ph	85	1160	C85604 C85605
4 kW	sg-ph	85	730	C85402	6 kW	3-ph	125	740	C12604 C12605
6 kW	sg-ph	85	1140	C85602	9 kW	3-ph	125	1160	C12904 C12905
6 kW	sg-ph	125	720	C12602	12 kW	3-ph	125	1340	C12124 C12125
					15 kW	3-ph	125	1550	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.



CYLINDRICAL HEATERS, TYPE R

MODELS ADAPTED TO ALL CLASSICAL TANK CONFIGURATIONS AND OFFERING A LARGE EXCHANGE SURFACE IN A MINIMUM BULK.

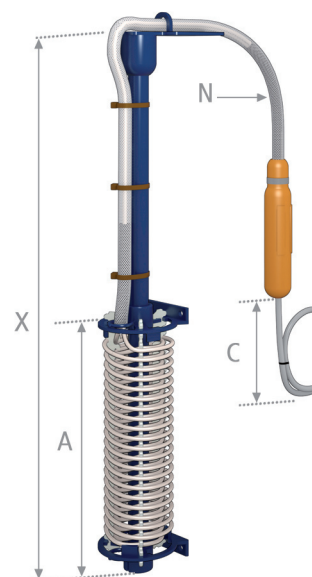
Installation on the side

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 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

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

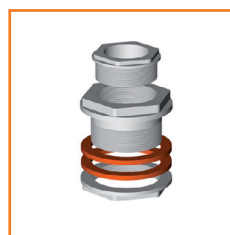
Removable guard



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)

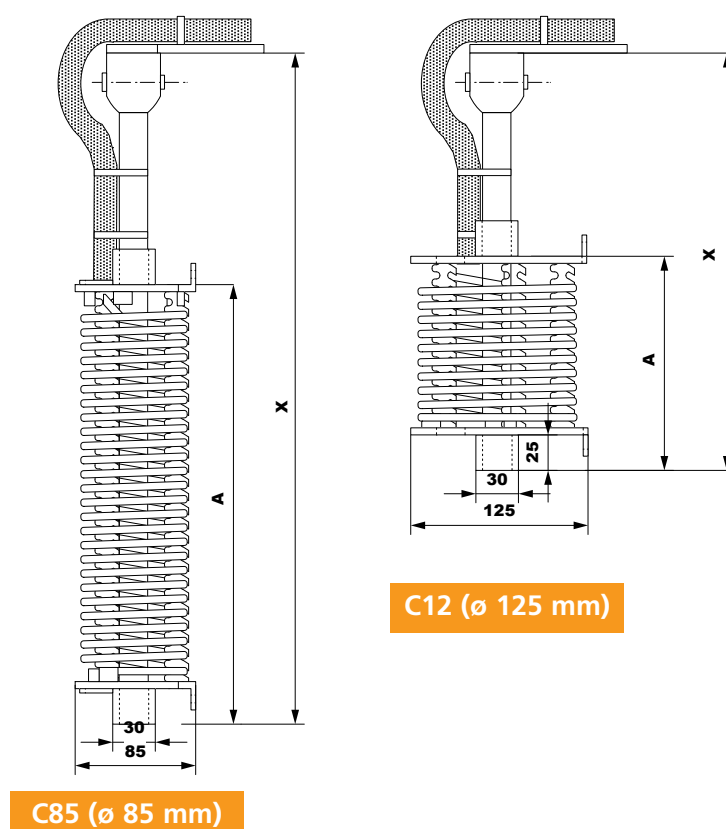
Ref in PP : PEPP
Ref in PVDF : PEPF

CYLINDRICAL HEATERS, TYPE S

Single-phase					Three-phases				
kW		ØD	A	230V	kW		ØD	A	230V 400V
M O N T A G E R									
0.5 kW	sg-ph	85	165	C85052	1.5 kW	3-ph	85	445	C85154 C85155
1 kW	sg-ph	85	260	C85102	3 kW	3-ph	85	755	C85304 C85305
1.5 kW	sg-ph	85	310	C85152	4.5 kW	3-ph	85	900	C85454 C85455
2 kW	sg-ph	85	390	C85202	4.5 kW	3-ph	125	570	C12454 C12455
3 kW	sg-ph	85	620	C85302	6 kW	3-ph	85	1140	C85604 C85605
4 kW	sg-ph	85	730	C85402	6 kW	3-ph	125	720	C12604 C12605
6 kW	sg-ph	85	1140	C85602	9 kW	3-ph	125	1140	C12904 C12905
6 kW	sg-ph	125	720	C12602	12 kW	3-ph	125	1320	C12124 C12125
					15 kW	3-ph	125	1530	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.



CYLINDRICAL HEATERS, TYPE P

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

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

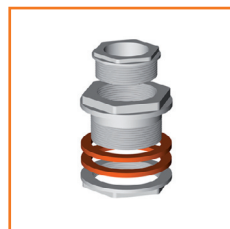
Removable guard



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)

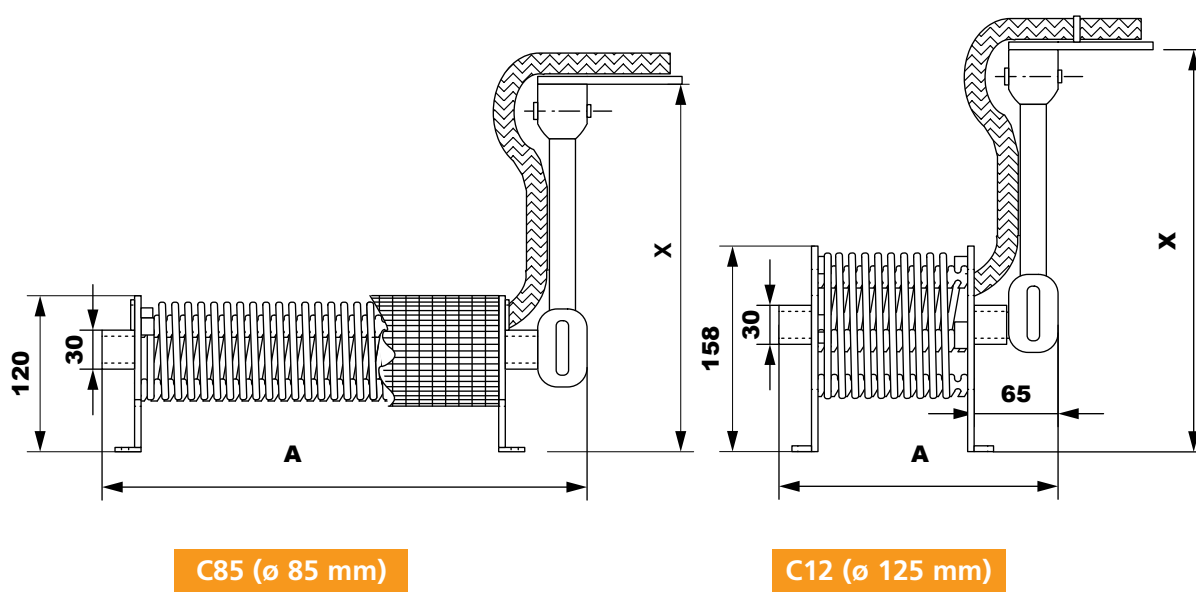
Ref in PP : PEPP
Ref in PVDF : PEPF

CYLINDRICAL HEATERS, TYPE S

Single-phase					Three-phases				
kW		ØD	A	230V	kW		ØD	A	230V 400V
M O N T A G E P									
0.5 kW	sg-ph	85	225	C85052	1.5 kW	3-ph	85	505	C85154 C85155
1 kW	sg-ph	85	320	C85102	3 kW	3-ph	85	815	C85304 C85305
1.5 kW	sg-ph	85	370	C85152	4.5 kW	3-ph	85	960	C85454 C85455
2 kW	sg-ph	85	450	C85202	4.5 kW	3-ph	125	630	C12454 C12455
3 kW	sg-ph	85	680	C85302	6 kW	3-ph	85	1200	C85604 C85605
4 kW	sg-ph	85	790	C85402	6 kW	3-ph	125	780	C12604 C12605
6 kW	sg-ph	85	1200	C85602	9 kW	3-ph	125	1200	C12904 C12905
6 kW	sg-ph	125	780	C12602	12 kW	3-ph	125	1380	C12124 C12125
					15 kW	3-ph	125	1590	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.



CYLINDRICAL HEATERS, CODIFICATION

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 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	S R P	1 2

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

Assembly code details

S = flexible
 R = rigid
 P = perpendicular

Support materials code

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



ELVARME

VORES PRODUKTSORTIMENT INKLUDERER:



GALVATHERM CONTROL



BADVARMERE



ELPATRONER



GENNEMSTRØM STANDARD



IMMERSION HEATERS



BADVARMERE GENERELT

VI FØRER PRODUKTER INDENFOR KATEGORIERNE:



AUTOMATIK



**HVAC & BYGNINGS-
AUTOMATIK**



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