

TEFLON ELECTRIC HEATERS (P30-P40)

- Unheated cable going out from the short side J or the long side K
- **Type of teflon: FEP or PFA**
- **Length of the unheated connecting cable: 1m - 5m**
- **Connecting cable length: 1m - 5m**

Teflon heaters are designed for the direct electric heating of fluids in systems and containers that require small mounting dimensions, high heating powers and an excellent resistance to liquids of aggressive processes.

The chemical resistance of the heating cable is guaranteed by a coating made of EFF or PFA. The surface load is only 1 W/cm².

The PFA coating should be chosen under particularly critical conditions of use with extremely aggressive process liquids (e.g., chromium acid electrolytes) and at very high temperatures.

The different build forms and variants of available heating elements can easily solve even difficult application situations. Their small size and high heating power allow their installation in small spaces.

HEATING OF FLUIDS IN PLANTS AND CONTAINERS

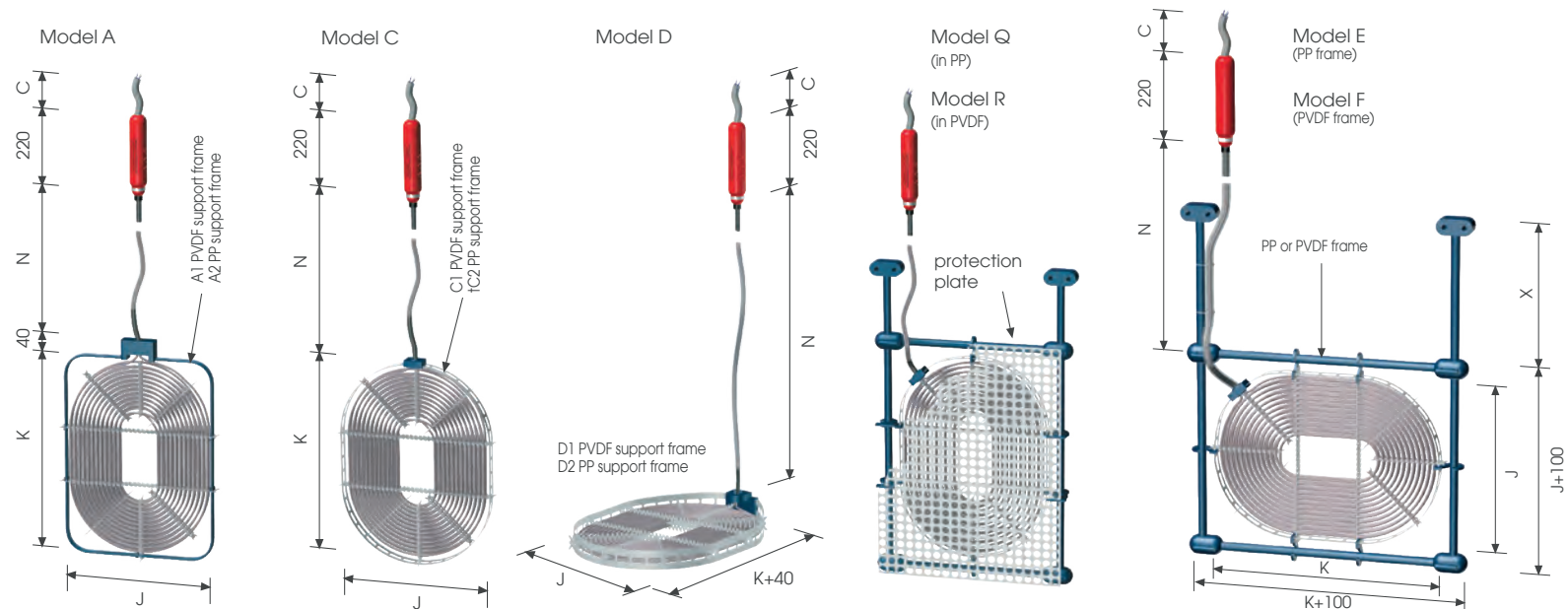
The use of high quality materials guarantees a long service life, an optimum reliability and thus ensures a problem-free operation of the system.

The heating elements are made of a heating metal wire, with a FEP/PFA coating, wrapped on a flexible PP or PVDF support frame.

Fasteners and spacers are made of PP/PVDF. To enhance mechanical strength, mounting in a steel frame with a PP/PVDF (A model) coating or a PP/PVDF (Mod.E/F) frame can be taken into account.

A PP or PVDF protection plate (Q/R model) protects the heating element from mechanical shocks. The unheated connecting cable is FEP/PFA coated up to the connecting sleeve and it is fixed in a PP tube.

This part can be immersed in the process liquid. In this area, you will find the min/ max depth mark for immersion. Even if the liquid level has high variations, it must always be within the limit markings! The PVC connecting cable coming from the PVC sleeve (IP64) can be connected in the electrical panel. The connecting sleeve should not be immersed in the process liquid and should not be exposed to direct vapours.



KEY - Build: J = unheated connecting cable N, coming out from the short side J / K = unheated connecting cable N coming out from the long side K
Covering material: F = fluorinated ethylene propylene (FEP) / P = perfluoroalkoxy (PFA)

Rated power (kW)	Dim. JxK (mm) rated voltage (V)		Name of the type per rated voltage (V)		Rated power (kW)	Dim. JxK (mm) rated voltage (V)		Name of the type per rated voltage (V)		Rated power (kW)	Dim. JxK (mm) rated voltage (V)		Name of the type per rated voltage (V)	
	230V	400V 3	230V	400 V 3		230V	400V 3	230V	400V 3		230V	400V 3	230V	400V 3
1.0	105x605	-	111.X.007020	-	3.0	330x440	330x465	111.X.007590	111.X.007840	6.0	-	350x720	-	111.X.008140
	170x520	-	111.X.007030	-		345x410	350x450	111.X.007600	111.X.007850		-	365x645	-	111.X.008150
	185x365	-	111.X.007040	-		365x390	370x410	111.X.007610	111.X.007860		-	385x653	-	111.X.008160
	205x335	-	111.X.007050	-		370x385	380x395	111.X.007620	111.X.007870		-	405x625	-	111.X.008170
	220x290	-	111.X.007060	-		205x685	205x735	111.X.007630	111.X.007880		-	420x570	-	111.X.008180
	240x250	-	111.X.007070	-		225x575	230x615	111.X.007640	111.X.007890		-	440x550	-	111.X.008190
	165x395	-	111.X.007080	-		245x500	250x545	111.X.007650	111.X.007900		-	455x545	-	111.X.008200
	185x305	-	111.X.007090	-		265x445	265x470	111.X.007660	111.X.007910		-	475x540	-	111.X.008210
	205x225	-	111.X.007100	-		285x400	285x400	111.X.007670	111.X.007920		-	265x785	-	111.X.008220
	225x230	-	111.X.007110	-		325x340	325x360	111.X.007680	111.X.007930		-	305x635	-	111.X.008230
1.5	165x680	170x680	111.X.007120	111.X.007420	340x340	340x340	111.X.007690	111.X.007940	-	325x585	-	111.X.008240		
	205x425	205x475	111.X.007130	111.X.007430	225x880	-	111.X.007700	-	-	350x550	-	111.X.008250		
	220x355	225x440	111.X.007140	111.X.007440	260x700	-	111.X.007710	-	-	365x505	-	111.X.008260		
	240x315	240x360	111.X.007150	111.X.007450	315x545	-	111.X.007720	-	-	390x470	-	111.X.008270		
	260x285	280x340	111.X.007160	111.X.007460	330x515	-	111.X.007730	-	-	405x455	-	111.X.008280		
	185x375	185x380	111.X.007170	111.X.007470	350x475	-	111.X.007740	-	-	425x425	-	111.X.008290		
	205x345	205x375	111.X.007180	111.X.007480	385x435	-	111.X.007750	-	-	400x975	-	111.X.008300		
	225x275	225x325	111.X.007190	111.X.007490	405x420	-	111.X.007760	-	-	435x870	-	111.X.008310		
	245x245	245x275	111.X.007200	111.X.007500	205x810	-	111.X.007770	-	-	475x800	-	111.X.008320		
	245x245	270x270	111.X.007210	111.X.007510	225x685	-	111.X.007780	-	-	490x790	-	111.X.008330		
2.0	170x756	-	111.X.007220	-	245x595	-	111.X.007790	-	-	525x720	-	111.X.008340		
	185x635	-	111.X.007230	-	285x475	-	111.X.007800	-	-	545x705	-	111.X.008350		
	205x565	-	111.X.007240	-	310x435	-	111.X.007810	-	-	565x695	-	111.X.008360		
	220x475	-	111.X.007250	-	325x400	-	111.X.007820	-	-	600x675	-	111.X.008370		
	240x420	-	111.X.007260	-	345x375	-	111.X.007830	-	-	345x890	-	111.X.008380		
	260x380	-	111.X.007270	-	-	240x905	-	111.X.007950	-	-	385x775	-	111.X.008390	
	275x340	-	111.X.007280	-	-	275x750	-	111.X.007960	-	-	405x730	-	111.X.008400	
	295x315	-	111.X.007290	-	-	295x730	-	111.X.007970	-	-	425x685	-	111.X.008410	
	185x515	-	111.X.007300	-	-	315x625	-	111.X.007980	-	-	445x655	-	111.X.008420	
	210x420	-	111.X.007310	-	-	350x535	-	111.X.007990	-	-	465x625	-	111.X.008430	
3.0	225x350	-	111.X.007320	-	-	370x520	-	111.X.008000	-	-	505x575	-	111.X.008440	
	245x305	-	111.X.007330	-	-	385x505	-	111.X.008010	-	-	525x565	-	111.X.008450	
	265x275	-	111.X.007340	-	-	405x460	-	111.X.008020	-	-	430x1075	-	111.X.008460	
	205x925	205x905	111.X.007350	111.X.007520	-	420x440	-	111.X.008030	-	-	440x1070	-	111.X.008470	
	225x790	225x910	111.X.007360	111.X.007530	-	265x595	-	111.X.008040	-	-	510x885	-	111.X.008480	
	240x690	240x700	111.X.007370	111.X.007540	-	285x535	-	111.X.008050	-	-	585x785	-	111.X.008490	
	260x620	260x705	111.X.007380	111.X.007550	-	305x480	-	111.X.008060	-	-	385x915	-	111.X.008500	
	275x555	275x580	111.X.007390	111.X.007560	-	325x445	-	111.X.008070	-	-	405x860	-	111.X.008510	
	295x510	295x575	111.X.007400	111.X.007570	-	345x425	-	111.X.008080	-	-	425x800	-	111.X.008520	
	315x460	315x490	111.X.007410	111.X.007580	-	365x395	-	111.X.008090	-	-	465x740	-	111.X.008530	
4.0	170x756	-	111.X.007220	-	-	380x380	-	111.X.008100	-	-	485x705	-	111.X.008540	
	185x635	-	111.X.007230	-	-	275x990	-	111.X.008110	-	-	505x680	-	111.X.008550	
	205x565	-	111.X.007240	-	-	-	295x855	-	111.X.008120	-	545x625	-	111.X.008560	
	220x475	-	111.X.007250	-	-	-	310x825	-	111.X.008130	-	585x595	-	111.X.008570	
	240x420	-	111.X.007260	-	-	-	-	-	-	-	-	-	-	-
	260x380	-	111.X.007270	-	-	-	-	-	-	-	-	-	-	-
	275x340	-	111.X.007280	-	-	-	-	-	-	-	-	-	-	-
	295x315	-	111.X.007290	-	-	-	-	-	-	-	-	-	-	-
	185x515	-	111.X.007300	-	-	-	-	-	-	-	-	-	-	-
	210x420	-	111.X.007310	-	-	-	-	-	-	-	-	-	-	-
4.5	225x350	-	111.X.007320	-	-	-	-	-	-	-	-	-	-	-
	245x305	-	111.X.007330	-	-	-	-	-	-	-	-	-	-	-
	265x275	-	111.X.007340	-	-	-	-	-	-	-	-	-	-	-
	205x925	205x905	111.X.007350	111.X.007520	-	-	-	-	-	-	-	-	-	-
	225x790	225x910	111.X.007360	111.X.007530	-	-	-	-	-	-	-	-	-	-
	240x690	240x700	111.X.007370	111.X.007540	-	-	-	-	-	-	-	-	-	-
	260x620	260x705	111.X.007380	111.X.007550	-	-	-	-	-	-	-	-	-	-
	275x555	275x580	111.X.007390	111.X.007560	-	-	-	-	-	-	-	-	-	-
	295x510	295x575	111.X.007400	111.X.007570	-	-	-	-	-	-	-	-	-	-
	315x460	315x490	111.X.007410	111.X.007580	-	-	-	-	-	-	-	-	-	-
5.0	170x756	-	111.X.007220	-	-	-	-	-	-	-	-	-	-	-
	185x635	-	111.X.007230	-	-	-	-	-	-	-	-	-	-	-
	205x565	-	111.X.007240	-	-	-	-	-	-	-	-	-	-	-
	220x475	-	111.X.007250	-	-	-	-	-	-	-	-	-	-	-
	240x420	-	111.X.007260	-	-	-	-	-	-	-	-	-	-	-
	260x380	-	111.X.007270	-	-	-	-	-	-	-	-	-	-	-
	275x340	-	111.X.007280	-	-	-	-	-	-	-	-	-	-	-
	295x315	-	111.X.007290	-	-	-	-	-	-	-	-	-	-	-
	185x515	-	111.X.007300	-	-	-	-	-	-	-	-	-	-	-
	210x420	-	111.X.007310	-	-	-	-	-	-	-	-	-	-	-
6.0	225x350	-	111.X.007320	-	-	-	-	-	-	-	-	-	-	-
	245x305	-	111.X.007330	-	-	-	-	-	-	-	-	-	-	-
	265x275	-	111.X.007340	-	-	-	-	-	-	-	-	-	-	-
	205x925	205x905	111.X.007350	111.X.007520	-	-	-	-	-	-	-	-	-	-
	225x790	225x910	111.X.007360	111.X.007530	-	-	-	-	-	-	-	-	-	-
	240x690	240x700	111.X.007370	111.X.007540	-	-	-	-	-	-	-	-	-	-
	260x620	260x705	111.X.007380	111.X.007550	-	-	-	-	-	-	-	-	-	-
	275x555	275x580	111.X.007390	111.X.007560	-	-	-	-	-	-	-	-	-	-
	295x510	295x575	111.X.007400	111.X.007570	-	-	-	-	-	-	-	-	-	-
	315x460	315x490	111.X.007410	111.X.007580	-	-	-	-	-	-	-	-	-	-

Name	Build	Coating of the heating cable	Length of the unheated cable section N			Total of the connecting cable C			Model
			0 = 1,0m	1 = 1,5m	2 = 2,0m	0 = 1,0m	1 = 1,5m	2 = 2,0m	
111.....	J or K	F or P	3 = 2,5m	4 = 3,0m	5 = 3,5m	3 = 2,5m	4 = 3,0m	5 = 3,5m	A1, A2, C1, C2, D1, D2, E, F, M1, M2, Q, R
Example	J	F	6 = 4,0m	7 = 4,5m	8 = 5,0m	6 = 4,0m	7 = 4,5m	8 = 5,0m	E

