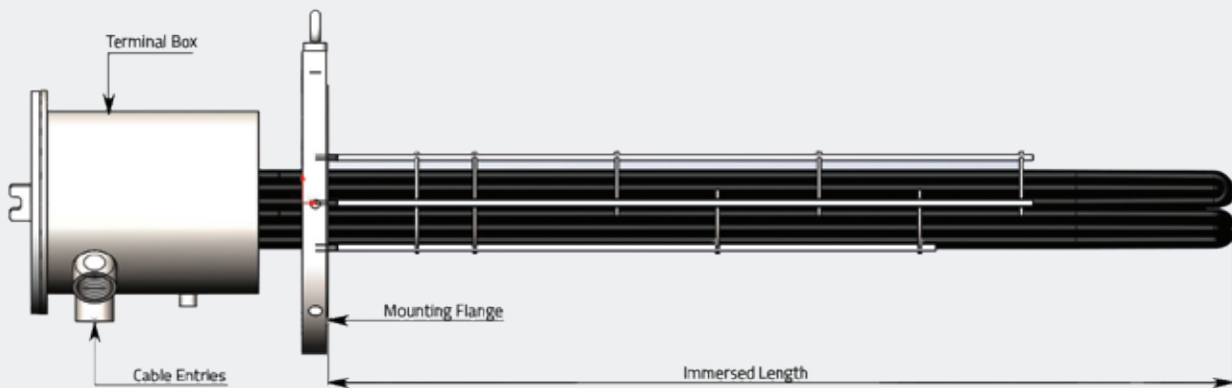




STANDARD HEATER

The standard heaters offer off-the-shelf solutions for heating in Zone 1 or 2 hazardous areas and are certified to ATEX/IECEX flameproof standards. Available in **flange** and **thread** connections, a heater can be constructed from **SS304L** or **SS316L** to suit client's budget. A selection of designs for heat flux covers different process mediums from asphalt (bitumen), hot oil, chemical solutions to water, etc.



01 FLANGE MOUNTING

Duty Range
1kW, 2kW, 3kW, 5kW (Single Phase), 5 ~ 100kW (Three Phase)

Flange
SS304L, SS316L

Working Pressure / Temperature
15 Barg / 180 °C (limited to 150lb flanges)

Hazardous Certification
EX II 2 G/D, Ex db IIA/IIB/IIC T1-T6 Gb, Ex tb IIIC T85 ~ T450 °C Db

Ingress Protection
IP66

Terminal Box
Cast Iron

Elements
SS304L, SS316L

Nominal Voltage
230V, Single Phase / 400V, Three Phase

Ambient
-50 °C ~ + 60 °C

Applications
Low heat flux heaters – all kinds of process medium including gas, crude oil and asphalt
Medium heat flux heaters – CIP tank and caustic solutions
High heat flux heaters – mainly targeted at water heating

PLACE YOUR ORDER

F

Connection Type
▪ **F** – Flange Mounting

□

Heat Flux
▪ **L** – Low (1.2w / cm²)
▪ **M** – Medium (2.8w / cm²)
▪ **H** – High (10w / cm²)

□ □ □ □ □

Nominal Voltage
▪ **SP230** – Single Phase, 230V Power Supply
▪ **TP400** – Three Phase, 400V Power Supply

D □ □ □

Duty Range
▪ Single Phase – **1kW / 2kW / 3kW / 5kW**
▪ Three Phase – **5-100kW**

E □

Element Material
▪ **E4** – SS304L
▪ **E6** – SS316L

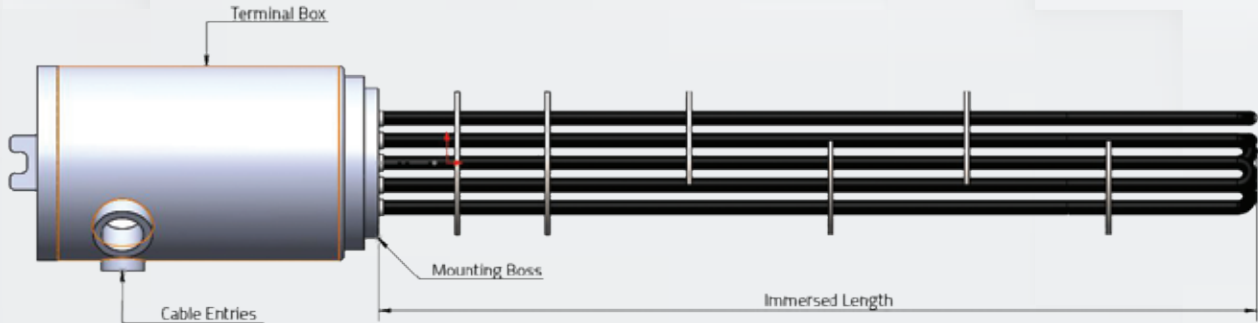
01 FLANGE MOUNTING

POWER SUPPLY (V)	MODEL	HEATER DUTY (KW)	IMMERSED LENGTH (MM)	FLANGE SIZE (INCH)	NOS. OF CABLE ENTRIES (SEE NOTES)		
230V SP	L	F-L-SP230-D001-XX	1	580.2	3	Type A	
		F-L-SP230-D002-XX	2	757.2	4	Type A	
		F-L-SP230-D003-XX	3	578.6	6	Type B	
		F-L-SP230-D005-XX	5	932.6	6	Type B	
	M	F-M-SP230-D001-XX	1	504.2	3	Type A	
		F-M-SP230-D002-XX	2	504.2	3	Type A	
		F-M-SP230-D003-XX	3	504.2	4	Type A	
		F-M-SP230-D005-XX	5	807.2	4	Type A	
	H	F-H-SP230-D002-XX	2	304.2	3	Type A	
		F-H-SP230-D005-XX	5	368.2	3	Type A	
	400V 3PH	L	F-L-TP400-D005-XX	5	932.6	6	Type B
			F-L-TP400-D008-XX	8	991.6	6	Type B
F-L-TP400-D012-XX			12	1109.6	6	Type B	
F-L-TP400-D018-XX			18	1106.4	8	Type C	
F-L-TP400-D025-XX			25	1308.4	8	Type C	
F-L-TP400-D030-XX			30	1560.4	8	Type C	
M		F-M-TP400-D005-XX	5	805.6	6	Type B	
		F-M-TP400-D008-XX	8	654.6	6	Type B	
		F-M-TP400-D012-XX	12	654.6	6	Type B	
		F-M-TP400-D018-XX	18	730.6	6	Type B	
		F-M-TP400-D025-XX	25	802.4	8	Type C	
		F-M-TP400-D030-XX	30	802.4	8	Type C	
H		F-H-TP400-D005-XX	5	262.2	4	Type A	
		F-H-TP400-D010-XX	10	474.2	4	Type A	
		F-H-TP400-D020-XX	20	898.2	4	Type A	
		F-H-TP400-D035-XX	35	790.6	6	Type B	
		F-H-TP400-D050-XX	50	755.6	6	Type B	
		F-H-TP400-D080-XX	80	724.4	8	Type C	
F-H-TP400-D100-XX	100	752.4	8	Type C			

Type A: 1 x M20, 1 x M25/M20

Type B: 1 x M20, 2 x M32/M25

Type C: 1 x M20, 2 x M40/M32



02 THREAD MOUNTING

Duty Range
1kW, 2kW, 3kW, 5kW (Larger duties available in flange connection)

Boss
Brass

Working Pressure / Temperature
Up to 5 Barg / Up to 80 °C

Hazardous Certification
EX II 2 G/D, Ex db IIA/IIB/IIC T1-T6 Gb, Ex tb IIIC T85 ~ T450 °C Db

Ingress Protection
IP66

NOTE: Heaters with thread connection is not recommended for gas processes.

Terminal Box
Cast Iron

Elements
SS304L, SS316L

Nominal Voltage
230V, Single Phase

Ambient
-50 °C ~ + 60 °C

Applications

- Low** heat flux heaters – all kinds of process medium including crude oil and asphalt
- Medium** heat flux heaters – CIP tank and caustic solutions
- High** heat flux heaters – mainly targeted at water heating

PLACE YOUR ORDER

T

Connection Type
▪ T - Thread Mounting

Heat Flux
▪ L – Low (1.2w / cm²)
▪ M – Medium (2.8w / cm²)
▪ H – High (10w / cm²)

*Subject to applications

S P 2 3 0

Nominal Voltage
▪ SP230 – Single Phase, 230V Power Supply

D

Duty Range
▪ Single Phase – 1kW / 2kW / 3kW / 5kW

E

Element Material
▪ E4 – SS304L
▪ E6 – SS316L

02 THREAD MOUNTING

	MODEL	HEATER DUTY (KW)	IMMERSED LENGTH (MM)	MOUNTING THREAD SIZE (INCH)	NOS. OF CABLE ENTRIES
L	T-L-SP230-D001-XX	1	598	2	1xM20, 1xM25
	T-L-SP230-D002-XX	2	598	3	
	T-L-SP230-D003-XX	3	874	3	
M	T-M-SP230-D001-XX	1	401	2	
	T-M-SP230-D002-XX	2	519	2	
	T-M-SP230-D003-XX	3	578	3	
	T-M-SP230-D005-XX	5	638	3	
H	T-H-SP230-D002-XX	2	443	2	
	T-H-SP230-D005-XX	5	543	2	



✉ sales@dfiniti-t.com | 🌐 www.dfiniti-t.com | [in](#) LinkedIn
 T +65-6908 0869 | F +65-6282 0218

🇸🇬 SINGAPORE 🇲🇾 MALAYSIA 🇨🇳 CHINA 🇮🇩 INDONESIA 🇦🇪 UAE

