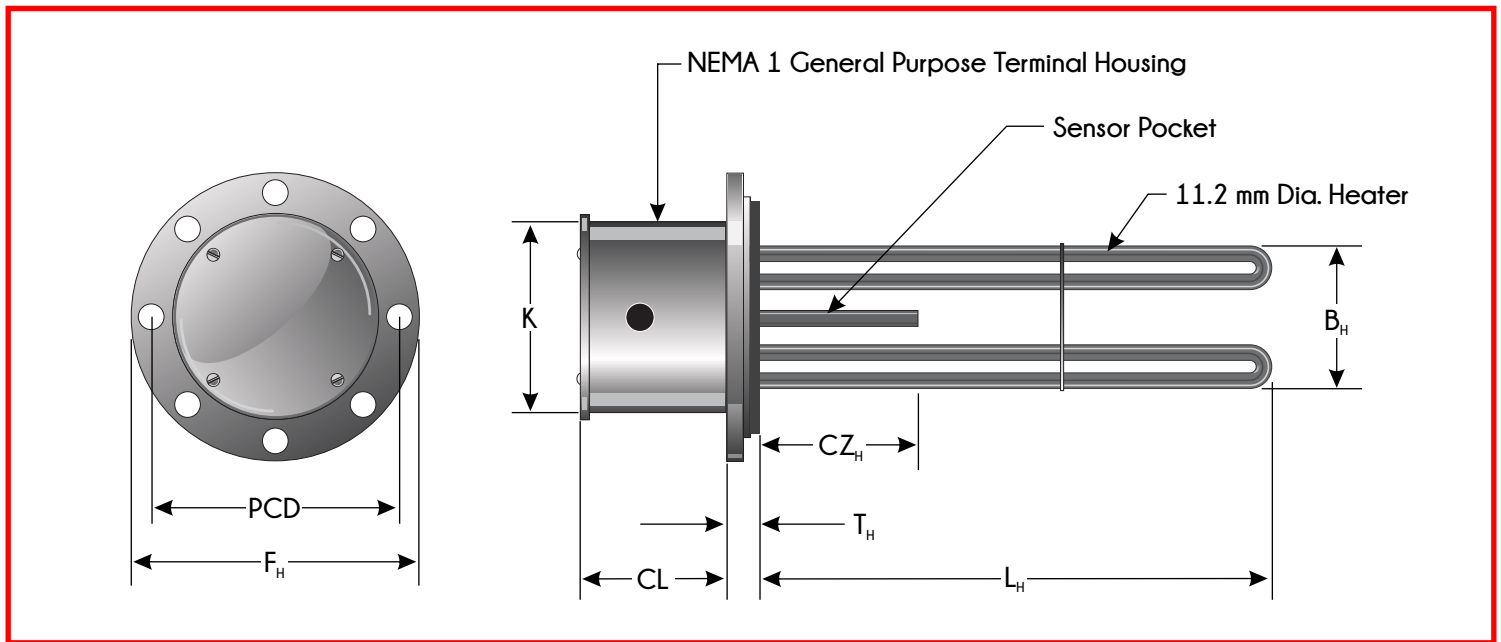


FLANGE IMMERSION HEATERS



REFERENCE TABLE

Element And Dimensions

Flange Size	Flange Mounting		Flange Thickness "T _H "	Mounting Bolt Circle "PCD"	Flange Diameter "F _H "	Cold Zone Length "CZ _H "	Bundle Diameter "B _H "	NEMA 1 Housing		Number Of Elements	
	Bolt Hole							"K"	"CL"	Standard	Maximum
ANSI 150 lbs RF	MM	Number	MM	MM	MM	MM	MM	MM	MM		
3	19	4	24	152	191	100	70	117	80	3	6
4	19	8	24	191	229	100	98	152	100	6	6
5	22	8	24	216	254	100	127	178	100	6	9
6	22	8	25	241	279	100	152	203	150	12	15
8	22	8	29	298	343	150	198	254	150	18	24
10	25	12	30	362	406	150	248	295	150	27	36
12	25	12	32	432	483	150	298	343	150	36	54
14	29	12	35	476	533	150	324	384	150	45	72

Heat-Edge® Flanged Immersion Heaters are designed for use in tanks and pressurized vessels to heat both liquids and gases. They mate to female flange that is either welded to a tank wall or, in circulation heaters, to a pipe.

Design Features

Heat-Edge® have the following features, which makes them suitable for a wide range of applications.

- a. Default, 150 lbs ANSI RF Flange - Mild Steel or SS304 or SS316 steel flanges.
- b. Customised flanges according to customer requirements.
- c. SS304, SS316 and/or Incoloy 840 Elements.
- d. Default, Ø9.5 mm sensor pockets.
- e. Default, built-in Thermostat.
- f. NEMA 1 General Purpose Terminal Housing.

Construction

Heat-Edge® Flanged Immersion Heaters are constructed with tubular heating elements that are machine compacted, MgO powder insulation to ensure excellent dielectric strength and optimum heat transfer properties.

Hairpin bends are done with specially designed dies to maintain the integrity of the insulation after being formed. The elements are either TIG welded or Silver Brazed to the flange and pressure tested. All electrical wiring are enclosed in a NEMA 1 protective housing.

All Flange immersion heaters are subjected to the following tests.

- | | |
|--|--|
| 1. Resistant Test | - For Wattage Measurement |
| 2. Insulation Test | - For Leakage Current Resistance |
| 3. High DC Voltage Test | - Insulation To Ground/Short Circuits |
| 4. Hydrostatic Test, at 12 Bar for 2 hours | - For leakproof test on all weldings of the elements to the flange |

Industrial Applications

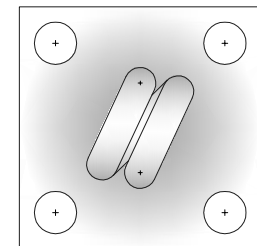
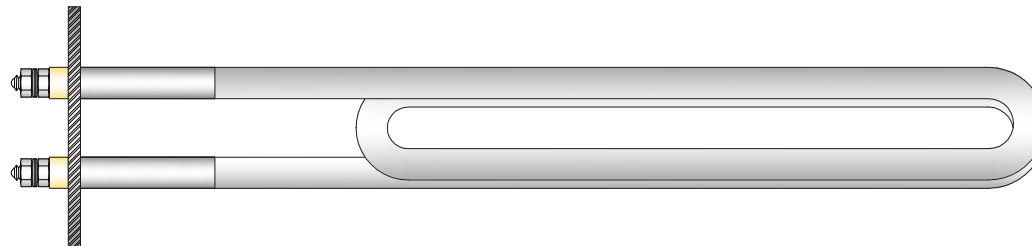
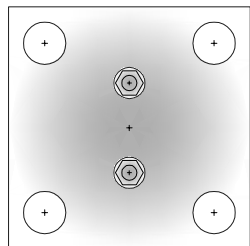
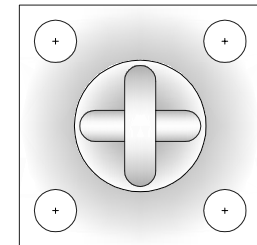
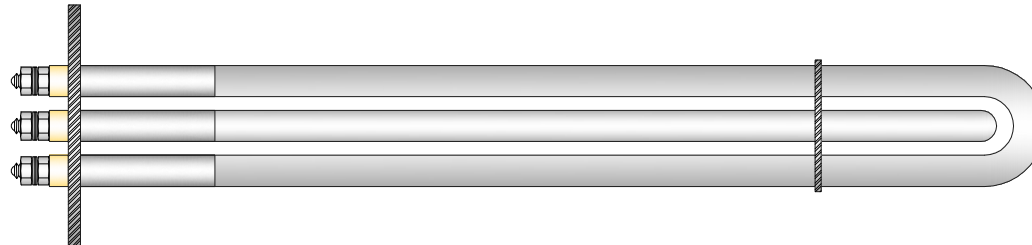
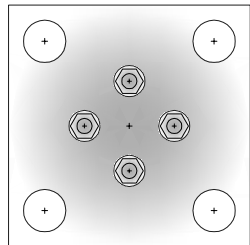
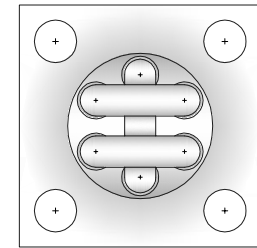
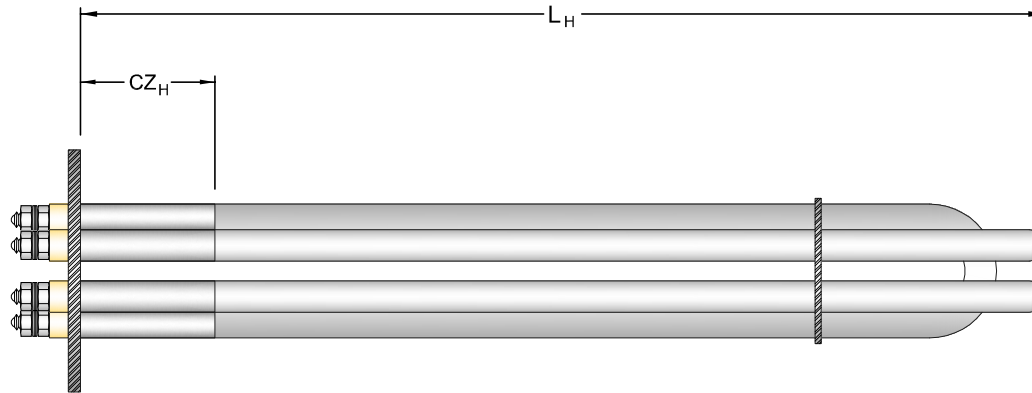
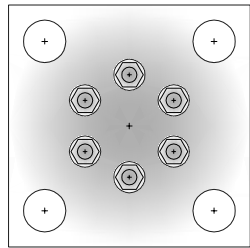
- Hot water tanks
- Boiler heaters
- Asphalt / Bitumen, paraffin, wax heaters
- Oil process heaters
- Heat transfer Oil heaters
- Corrosive and non-corrosive solutions
- Air and Gas heaters
- Heat transfer equipment
- Vapour Degreases

SQUARE FLANGE IMMERSION HEATER



To Order : Please specify the complete assembly, indicate the code letter or value for each option.

Model	Flange	Length - L_H	Cold Zone - CZ_H	Element(s)	Sheath	Wattage	Supply	Phase	Type	Pocket	Housing



SQUARE FLANGE IMMERSION HEATER ORDER CODE TABLE



To Order : Please specify the complete assembly, indicate the code letter or value for each option.

Model	Flange	Length - L _H	Cold Zone - CZ _H	Element(s)	Sheath	Wattage	Supply	Phase	Type	Pocket	Housing
HE - SF135	S4	350	50	3	INC840	4000	220	3P	Y	0	0

Material	
S4	Stainless 304
S6	Stainless 316

Material	
S4	Stainless 304
S6	Stainless 316
Inc840	Incoloy 840

Phase	
1P	Single Phase
3P	Three Phase

Pocket	
0	None
1	Pocket

HE - SFI35
HE - SFI4
HE - SFI6

Type	
D	Delta
Y	Wye

Type	
0	None
GP	NEMA 1 GP Housing

Example:

HE - SFI35	S4	350	50	3	INC840	4000	220	3P	Y	0	0
------------	----	-----	----	---	--------	------	-----	----	---	---	---

- 3-1/2: Square Flange Immersion Heater
- SS304 Flange
- 350mm... Immersion Length
- 50mm... Cold Zone
- 3 Elements
- Incoloy 840 Sheath Material
- 4,000 Watts
- 220 Vac
- 3 Phase
- Wye Connection
- No Sensor Pocket
- No Terminal Cover

REFERENCE TABLE			
Square	Thickness	CTC	Hole Ø
3-1/2"	1/4"	2-11/16"	5/16"
4"	1/4"	3-3/16"	5/16"
6"	3/8"	4-1/2"	3/4"