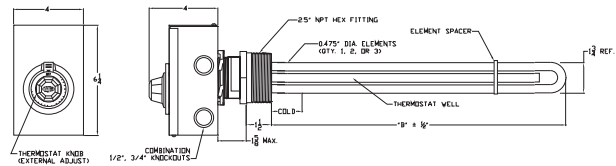
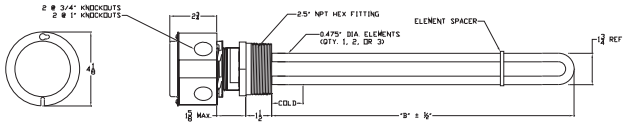


Screw Plug Heaters

2-1/2" Screw Plug Heaters



Water

304 SS Sheath, 304 SS Fitting

50 W/Sq. In.

Number of Elements	KW	Without Thermostat, NEMA 1 Terminal Box		Availability						
		B Dimensions (Inches)	Catalog Number	1 Phase		3 Phase				
				120V	208V	240V	480V	208V	240V	480V
3	3	8	HX-7141U636	•	•	•	•	•	•	•
	4.5	11-1/2	HX-7141U726	•	•	•	•	•	•	•
	6	14-3/4	HX-7141U676	•	•	•	•	•	•	•
	7.5	18	HX-7141U696	•	•	•	•	•	•	•
	9	21-1/2	HX-7141U716			•	•	•	•	•
	12	28-1/4	HX-7141U756					•	•	•
	15	35	HX-7141U776					•	•	•
	18	41-1/2	HX-7141U796					•	•	•
	20	46	HX-7141U736							•

B Dimensions (Inches)	Catalog Number*	Availability						
		1 Phase		3 Phase				
		120V	208V	240V	480V	208V	240V	480V
8	HX-7141U746	•	•	•	•	•	•	•
11-1/2	HX-7141U766	•	•	•	•	•	•	•
14-3/4	HX-7141U786		•	•	•	•	•	•
18	HX-7141U806		•	•	•	•	•	•
21-1/2	HX-7141U816			•	•	•	•	•
28-1/4	HX-7141U826					•	•	•
35	HX-7141U836					•	•	•
41-1/2	HX-7141U846					•	•	•
46	HX-7141U856							•

1 and 2 element designs available. Consult factory.

Please specify volts, phase, terminal box rating and, if needed, thermostat range from options listed on page 16.

*UL Listing is available with thermostat built-in NEMA 1 Box only. For all other terminal box options, use HX-714N designation.

Water

Copper Sheath, 304SS Fitting

50 W/Sq. In.

Number of Elements	KW	Without Thermostat, NEMA 1 Terminal Box		Availability						
		B Dimensions (Inches)	Catalog Number	1 Phase		3 Phase				
				120V	208V	240V	480V	208V	240V	480V
3	3	8	HX-7141U431	•	•	•	•	•	•	•
	4	10-1/4	HX-7141U291	•	•	•	•	•	•	•
	4.5	11-1/2	HX-7141U451	•	•	•	•	•	•	•
	5	12-1/2	HX-7141U301		•	•	•	•	•	•
	6	14-3/4	HX-7141U471		•	•	•	•	•	•
	7	17	HX-7141U311		•	•	•	•	•	•
	7.5	18	HX-7141U491		•	•	•	•	•	•
	8	19-1/4	HX-7141U321		•	•	•	•	•	•
	9	21-1/2	HX-7141U511			•	•	•	•	•
	10	23-3/4	HX-7141U331					•	•	•
	12	28-1/4	HX-7141U341					•	•	•
	15	35	HX-7141U351					•	•	•
	18	41-1/2	HX-7141U361					•	•	•
	20	46	HX-7141U371							•

B Dimensions (Inches)	Catalog Number*	Availability						
		1 Phase		3 Phase				
		120V	208V	240V	480V	208V	240V	480V
9-1/4	HX-7141U381	•	•	•	•	•	•	•
11-1/2	HX-7141U391	•	•	•	•	•	•	•
12-1/4	HX-7141U401	•	•	•	•	•	•	•
13-3/4	HX-7141U411		•	•	•	•	•	•
15-3/4	HX-7141U421		•	•	•	•	•	•
18	HX-7141U441		•	•	•	•	•	•
19-1/4	HX-7141U461		•	•	•	•	•	•
20-1/4	HX-7141U481		•	•	•	•	•	•
22-1/2	HX-7141U501			•	•	•	•	•
24-3/4	HX-7141U521					•	•	•
29	HX-7141U531					•	•	•
36	HX-7141U541					•	•	•
42-3/4	HX-7141U551					•	•	•
47-1/4	HX-7141U561							•

1 and 2 element designs available. Consult factory.

Please specify volts, phase, terminal box rating and, if needed, thermostat range from options listed on page 17.

*UL Listing is available with thermostat built-in NEMA 1 Box only. For all other terminal box options, use HX-714N designation.

Screw Plug Heaters

2-1/2" Screw Plug Heaters

Oil

Steel Sheath, Steel Fitting

20 W/Sq. In.

Number of Elements	KW	Without Thermostat, NEMA 1 Terminal Box								
		B Dimensions (Inches)	Catalog Number	Availability						
				1 Phase		3 Phase				
				120V	208V	240V	480V	208V	240V	480V
3	1.5	9-3/4	HX-7141U084	•	•	•		•	•	
	2	12-7/16	HX-7141U094	•	•	•		•	•	
	2.5	15-1/4	HX-7141U104	•	•	•	•	•	•	•
	3	18	HX-7141U324	•	•	•	•	•	•	•
	4	23-5/8	HX-7141U114	•	•	•	•	•	•	•
	4.5	26-1/2	HX-7141U344	•	•	•	•	•	•	•
	5	29-1/4	HX-7141U124		•	•	•	•	•	•
	6	35	HX-7141U364		•	•	•	•	•	•
	7.5	43-1/4	HX-7141U384		•	•	•	•	•	•
	9	51-3/4	HX-7141U404			•	•	•	•	•
	10	57-1/8	HX-7141U134				•	•	•	•
	12	68-1/2	HX-7141U144					•	•	•

With Built-In Thermostat, NEMA 1 Terminal Box								
B Dimensions (Inches)	Catalog Number*	Availability						
		1 Phase		3 Phase				
		120V	208V	240V	480V	208V	240V	480V
9-3/4	HX-7141U154	•	•	•		•	•	
12-7/16	HX-7141U164	•	•	•		•	•	
15-1/4	HX-7141U174	•	•	•	•	•	•	•
18	HX-7141U184	•	•	•	•	•	•	•
23-5/8	HX-7141U194	•	•	•	•	•	•	•
26-1/2	HX-7141U204	•	•	•	•	•	•	•
29-1/4	HX-7141U214		•	•	•	•	•	•
35	HX-7141U224		•	•	•	•	•	•
43-1/4	HX-7141U234		•	•	•	•	•	•
51-3/4	HX-7141U244			•	•	•	•	•
57-1/8	HX-7141U254				•	•	•	•
68-1/2	HX-7141U264					•	•	•

1 and 2 element designs available. Consult factory.

Please specify volts, phase, terminal box rating and, if needed, thermostat range from options listed on this page.

*UL Listing is available with thermostat built-in NEMA 1 Box only. For all other terminal box options, use HX-714N designation.

Heater Options

Liquidproof NEMA 4 Outlet Box (Without Built-In Thermostat) - Cast box with threaded, gasketed cover and 1" NPT female threaded hubs for electrical connections. For applications where there is danger of moisture entering the outlet box.

Explosion Resistant Heater - Rated for Class I, Div. I, Groups B, C & D. Applications are available, see page 32.

Liquidproof NEMA 4 Outlet Box (With Built-In Thermostat) - Welded steel outlet box with enamel finish and gasketed cover. Pilot light is visible through lens cover. Two 1" NPT hubs provided for electrical connections. Stainless steel outlet box is available as an option.

Single-Pole, Single-Throw Thermostats - Standard on all single-phase heaters and all pilot duty applications. See Page 47 for selection criteria. If pilot light or an ON/OFF switch is required, specify double-pole single-throw thermostat.

Omit Outlet Box - For applications where heater terminals will be protected by field-furnished enclosures.

Special Sheath Materials - Incoloy 800, Inconel 600, Type 316 stainless steel and Monel 400 available.

Special Header Materials - Incoloy 800, Inconel 600 and Type 316 stainless steel headers available.

Vertical Mounting for 1-1/4", 2", and 2-1/2" Screw Plug Heaters with Thermostat - Thermostat must be mounted vertically. Heaters with single-pole, single-throw thermostats can be mounted in any position without relocating the box.

Other Special Ratings - 2 & 2-1/2" NPT screw plug heaters available in any non stock voltage up to 600 volts. All sizes available with lower watt densities for special applications.

Longer Elements - Consult factory for length and wattage limits per element.

UL/CSA Approval - Available on all standard heaters listed.

Longer Element Cold Ends - Cold ends are 3/4" for copper, or 1-5/16" for stainless and steel. In vertically mounted heaters and other applications where the liquid will not completely cover the elements, immersion length should be increased by the length of additional cold end.

