

Immersion Heaters

WATROD and FIREBAR Screw Plug Immersion Heaters

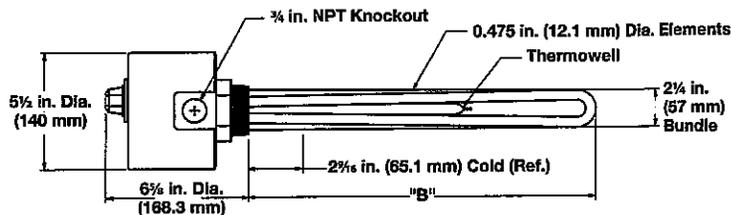


Application: Process Water

- 2 inch NPT screw plug
- WATROD elements
- With thermostat (DPST)

Note: Higher amperage products require a pilot duty thermostat with separate power controller. Please see following pages for available heaters without thermostats.

- General purpose enclosure



30-110F

60-250F

100-550F

Description	Volts	kW	Ph	"B" Dim. in. (mm)	Ship Wt. lbs. (kg)	Type 4 (30 to 110°F)		Type 5A (60 to 250°F)		Type 7A (100 to 550°F)	
						Part Number	Del.	Part Number	Del.	Part Number	Del.
General Purpose Enclosure											
48 W/in ² @ 304 SS Plug 2-Alloy 800 Elements (7.5 W/cm ²)	120/240	2.0	1	9 ³ / ₄ (248)	5 (3)	BGN79N6S4	RS	BGN79N6S5A	RS	BGN79N6S7	RS
	240/480	2.0	1	9 ³ / ₄ (248)	5 (3)	BGN79N7S4	RS	BGN79N7S5A	RS	BGN79N7S7A	RS
	120/240	3.0	1	13 ¹ / ₄ (337)	6 (3)	BGN713E6S4	RS	BGN713E6S5A	RS	BGN713E6S7A	RS
	240/480	3.0	1	13 ¹ / ₄ (337)	6 (3)	BGN713E7S4	RS	BGN713E7S5A	RS	BGN713E7S7A	RS
	120/240	4.0	1	17 ³ / ₄ (451)	7 (4)	BGN717N6S4	RS	BGN717N6S5A	RS	BGN717N6S7A	RS
	120/240	5.0	1	20 ¹ / ₄ (514)	8 (4)	BGN720E6S4	RS	BGN720E6S5A	RS	BGN720E6S7A	RS
48 W/in ² 304 SS Plug 3-Alloy 800 Elements (7.5 W/cm ²)	240	3.0	3	9 ³ / ₄ (248)	6 (3)	BHN79N3S4	RS	BHN79N3S5A	RS	BHN79N3S7A	RS
	480	3.0	3	9 ³ / ₄ (248)	6 (3)	BHN79N5S4	RS	BHN79N5S5A	RS	BHN79N5S7A	RS
	240	4.5	3	13 ¹ / ₄ (337)	7 (4)	BHN713E3S4	RS	BHN713E3S5A	RS	BHN713E3S7A	RS
	480	4.5	3	13 ¹ / ₄ (337)	7 (4)	BHN713E5S4	RS	BHN713E5S5A	RS	BHN713E5S7A	RS
	240	6.0	3	17 ³ / ₄ (451)	8 (4)	BHN717N3S4	RS	BHN717N3S5A	RS	BHN717N3S7A	RS
	480	6.0	3	17 ³ / ₄ (451)	8 (4)	BHN717N5S4	RS	BHN717N5S5A	RS	BHN717N5S7A	RS
	240	7.5	3	20 ¹ / ₄ (514)	9 (4)	BHN720E3S4	RS	BHN720E3S5A	RS	BHN720E3S7A	RS
	240	9.0	3	25 ¹ / ₄ (641)	10 (5)	BHN725E3S4	RS	BHN725E3S5A	RS	BHN725E3S7A	RS

Note: All screw plug bundles are designed to fit the inside diameter of the equivalent mating coupling. They will not fit into the equivalent pipe inside diameter.

④ Wired for higher voltage

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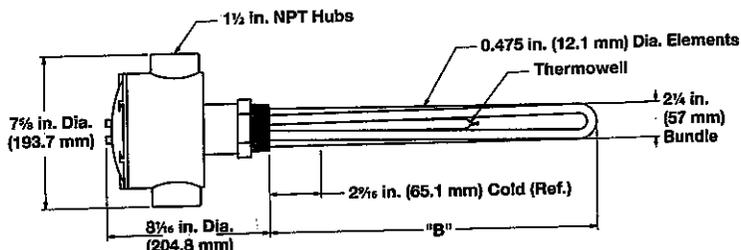


Application: Process Water

- 2 inch NPT screw plug
- WATROD elements
- With thermostat (DPST)

Note: Higher amperage products require a pilot duty thermostat with separate power controller. Please see following pages for available heaters without thermostats.

- Moisture/explosion-resistant enclosure



30-110°F 60-250°F 100-550°F

Description	Volts	kW	Ph	"B" Dim. in. (mm)	Ship Wt. lbs. (kg)	Type 4 (30 to 110°F)		Type 5A (60 to 250°F)		Type 7A (100 to 550°F)	
						Part Number	Del.	Part Number	Del.	Part Number	Del.
Moisture/Explosion-Resistant Enclosure											
48 W/in² @ 304 SS Plug 2-Alloy 800 Elements (7.5 W/cm²)	120/240	2.0	1	9 ³ / ₄ (248)	8 (4)	BGN79N6C4	RS	BGN79N6C5A	RS	BGN79N6C7A	RS
	240/480	2.0	1	9 ³ / ₄ (248)	8 (4)	BGN79N7C4	RS	BGN79N7C5A	RS	BGN79N7C7A	RS
	120/240	3.0	1	13 ¹ / ₄ (337)	9 (4)	BGN713E6C4	RS	BGN713E6C5A	RS	BGN713E6C7A	RS
	240/480	3.0	1	13 ¹ / ₄ (337)	9 (4)	BGN713E7C4	RS	BGN713E7C5A	RS	BGN713E7C7A	RS
	120/240	4.0	1	17 ³ / ₄ (451)	10 (5)	BGN717N6C4	RS	BGN717N6C5A	RS	BGN717N6C7A	RS
	120/240	5.0	1	20 ¹ / ₄ (514)	11 (5)	BGN720E6C4	RS	BGN720E6C5A	RS	BGN720E6C7A	RS
48 W/in² 304 SS Plug 3-Alloy 800 Elements (7.5 W/cm²)	240	3.0	3	9 ³ / ₄ (248)	9 (4)	BHN79N3C4	RS	BHN79N3C5A	RS	BHN79N3C7A	RS
	480	3.0	3	9 ³ / ₄ (248)	9 (4)	BHN79N5C4	RS	BHN79N5C5A	RS	BHN79N5C7A	RS
	240	4.5	3	13 ¹ / ₄ (337)	10 (5)	BHN713E3C4	RS	BHN713E3C5A	RS	BHN713E3C7A	RS
	480	4.5	3	13 ¹ / ₄ (337)	10 (5)	BHN713E5C4	RS	BHN713E5C5A	RS	BHN713E5C7A	RS
	240	6.0	3	17 ³ / ₄ (451)	11 (5)	BHN717N3C4	RS	BHN717N3C5A	RS	BHN717N3C7A	RS
	480	6.0	3	17 ³ / ₄ (451)	11 (5)	BHN717N5C4	RS	BHN717N5C5A	RS	BHN717N5C7A	RS
	240	7.5	3	20 ¹ / ₄ (514)	12 (6)	BHN720E3C4	RS	BHN720E3C5A	RS	BHN720E3C7A	RS
	240	9.0	3	25 ¹ / ₄ (641)	13 (6)	BHN725E3C4	RS	BHN725E3C5A	RS	BHN725E3C7A	RS

Note: All screw plug bundles are designed to fit the inside diameter of the equivalent mating coupling. They will not fit into the equivalent pipe inside diameter.

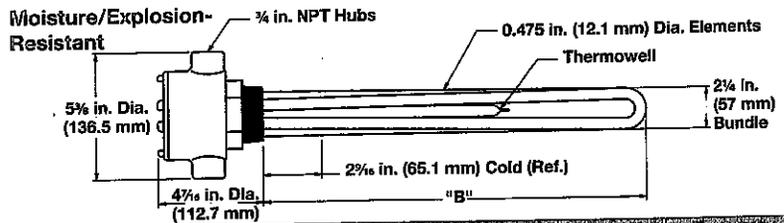
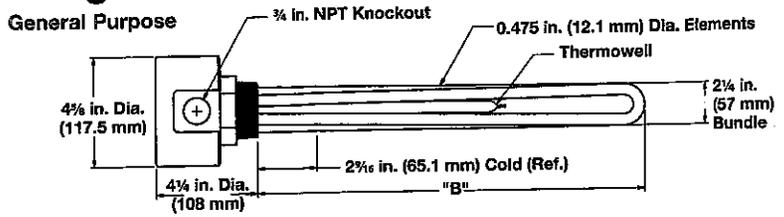
④ Wired for higher voltage

Immersion Heaters

WATROD and FIREBAR Screw Plug Immersion Heaters

Application: Process Water

- 2 inch NPT screw plug
- WATROD elements
- Without thermostat
- General purpose or moisture/explosion-resistant enclosure



Description	Volts	kW	Ph	"B" Dim. in. (mm)	General Purpose Enclosure			Moisture/Explosion-Resistant Enclosure		
					Part Number	Del.	Ship. Wt. lbs. (kg)	Part Number	Del.	Ship. Wt. lbs. (kg)
48 W/in ² @ 304 SS Plug 2-Alloy 800 Elements (7.5 W/cm ²)	120/240	2.0	1	9 ³ / ₄ (248)	BGN79N6S	RS	4 (2)	BGN79N6C	RS	7 (4)
	240/480	2.0	1	9 ³ / ₄ (248)	BGN79N7S	RS	4 (2)	BGN79N7C	RS	7 (4)
	120/240	3.0	1	13 ¹ / ₄ (337)	BGN713E6S	RS	5 (3)	BGN713E6C	RS	8 (4)
	240/480	3.0	1	13 ¹ / ₄ (337)	BGN713E7S	RS	5 (3)	BGN713E7C	RS	8 (4)
	120/240	4.0	1	17 ³ / ₄ (451)	BGN717N6S	RS	6 (3)	BGN717N6C	RS	9 (4)
	240/480	4.0	1	17 ³ / ₄ (451)	BGN717N7S	RS	6 (3)	BGN717N7C	RS	9 (4)
	120/240	5.0	1	20 ¹ / ₄ (514)	BGN720E6S	RS	7 (4)	BGN720E6C	RS	10 (5)
	240/480	5.0	1	20 ¹ / ₄ (514)	BGN720E7S	RS	7 (4)	BGN720E7C	RS	10 (5)
	240/480	6.0	1	25 ¹ / ₄ (641)	BGN725E7S	RS	7 (4)	BGN725E7C	RS	10 (5)
	240/480	8.0	1	32 ³ / ₄ (832)	BGN732N7S	RS	8 (4)	BGN732N7C	RS	11 (5)
	240/480	10.0	1	40 ¹ / ₄ (1022)	BGN740E7S	RS	9 (4)	BGN740E7C	RS	12 (6)
	48 W/in ² 304 SS Plug 3-Alloy 800 Element (7.5 W/cm ²)	120	3.0	1	9 ³ / ₄ (248)	BHN79N1S	RS	5 (3)	BHN79N1C	RS
240		3.0	3	9 ³ / ₄ (248)	BHN79N3S	RS	5 (3)	BHN79N3C	RS	8 (4)
480		3.0	3	9 ³ / ₄ (248)	BHN79N5S	RS	5 (3)	BHN79N5C	RS	8 (4)
120		4.5	1	13 ¹ / ₄ (337)	BHN713E1S	RS	6 (3)	BHN713E1C	RS	9 (4)
240		4.5	3	13 ¹ / ₄ (337)	BHN713E3S	RS	6 (3)	BHN713E3C	RS	9 (4)
480		4.5	3	13 ¹ / ₄ (337)	BHN713E5S	RS	6 (3)	BHN713E5C	RS	9 (4)
240		6.0	3	17 ³ / ₄ (451)	BHN717N3S	RS	7 (4)	BHN717N3C	RS	10 (5)
480		6.0	3	17 ³ / ₄ (451)	BHN717N5S	RS	7 (4)	BHN717N5C	RS	10 (5)
240		7.5	3	20 ¹ / ₄ (514)	BHN720E3S	RS	8 (4)	BHN720E3C	RS	11 (5)
480		7.5	3	20 ¹ / ₄ (514)	BHN720E5S	RS	8 (4)	BHN720E5C	RS	11 (5)
240		9.0	3	25 ¹ / ₄ (641)	BHN725E3S	RS	9 (4)	BHN725E3C	RS	12 (6)
480		9.0	3	25 ¹ / ₄ (641)	BHN725E5S	RS	9 (4)	BHN725E5C	RS	12 (6)
240		12.0	3	32 ³ / ₄ (832)	BHN732N3S	RS	9 (4)	BHN732N3C	RS	12 (6)
480		12.0	3	32 ³ / ₄ (832)	BHN732N5S	RS	9 (4)	BHN732N5C	RS	12 (6)
240		15.0	3	40 ¹ / ₄ (1022)	BHN740E3S	RS	10 (5)	BHN740E3C	RS	13 (6)
480		15.0	3	40 ¹ / ₄ (1022)	BHN740E5S	RS	10 (5)	BHN740E5C	RS	13 (6)
240		18.0	3	47 ³ / ₄ (1213)	BHN747N3S	RS	11 (5)	BHN747N3C	RS	14 (7)
480		18.0	3	47 ³ / ₄ (1213)	BHN747N5S	RS	11 (5)	BHN747N5C	RS	14 (7)

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④ Wired for higher voltage

⑦ CSA certified only