

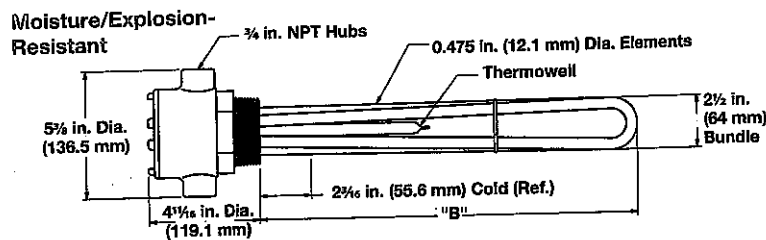
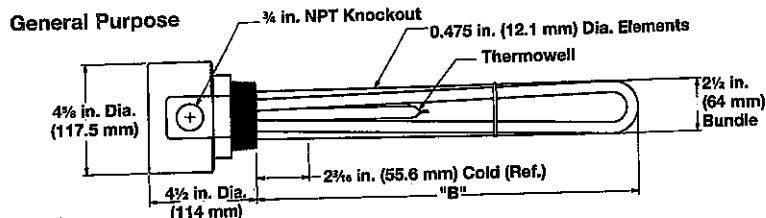
# Immersion Heaters

## WATROD and FIREBAR Screw Plug Immersion Heaters



### Application: Clean Water

- 2 1/2 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 ⑦	Del.	Ship. Wt. lbs. (kg)
60 W/in <sup>2</sup> 304 SS Plug 3-Alloy 800 Elements (9.3 W/cm <sup>2</sup> )	120	3.0	1	7 <sup>5</sup> / <sub>8</sub> (193.7)	BLN77L1S	RS	6 (3)	BLN77L1C	RS	9 (4)
	240	3.0	3	7 <sup>5</sup> / <sub>8</sub> (193.7)	BLN77L3S	RS	6 (3)	BLN77L3C	RS	9 (4)
	480	3.0	3	7 <sup>5</sup> / <sub>8</sub> (193.7)	BLN77L13S	RS	6 (3)	BLN77L13C	RS	9 (4)
	120	4.5	1	10 <sup>5</sup> / <sub>8</sub> (269.9)	BLN710L1S	RS	7 (4)	BLN710L1C	RS	10 (5)
	240	4.5	3	10 <sup>5</sup> / <sub>8</sub> (269.9)	BLN710L3S	RS	7 (4)	BLN710L3C	RS	10 (5)
	480	4.5	3	10 <sup>5</sup> / <sub>8</sub> (269.9)	BLN610K13S	RS	7 (4)	BLN610K13C	RS	10 (5)
	240	6.0	3	14 <sup>5</sup> / <sub>8</sub> (371.5)	BLN714L3S	RS	9 (4)	BLN714L3C	RS	12 (6)
	480	6.0	3	14 <sup>5</sup> / <sub>8</sub> (371.5)	BLN714L5S	RS	9 (4)	BLN714L5C	RS	12 (6)
	240	7.5	3	17 <sup>5</sup> / <sub>8</sub> (447.7)	BLN717L3S	RS	9 (4)	BLN717L3C	RS	12 (6)
	480	7.5	3	17 <sup>5</sup> / <sub>8</sub> (447.7)	BLN717L5S	RS	9 (4)	BLN717L5C	RS	12 (6)
	240	9.0	3	20 <sup>5</sup> / <sub>8</sub> (523.9)	BLN720L3S	RS	11 (5)	BLN720L3C	RS	14 (7)
	480	9.0	3	20 <sup>5</sup> / <sub>8</sub> (523.9)	BLN720L5S	RS	11 (5)	BLN720L5C	RS	14 (7)
	240	12.0	3	26 <sup>1</sup> / <sub>8</sub> (663.6)	BLN726C3S	RS	12 (6)	BLN726C3C	RS	15 (7)
	480	12.0	3	26 <sup>1</sup> / <sub>8</sub> (663.6)	BLN726C5S	RS	12 (6)	BLN726C5C	RS	15 (7)
	240	15.0	3	31 <sup>5</sup> / <sub>8</sub> (803.3)	BLN731L3S	RS	14 (7)	BLN731L3C	RS	17 (8)
	480	15.0	3	31 <sup>5</sup> / <sub>8</sub> (803.3)	BLN731L5S	RS	14 (7)	BLN731L5C	RS	17 (8)
	240	18.0	3	37 <sup>1</sup> / <sub>8</sub> (943.0)	BLN737C3S	RS	15 (7)	BLN737C3C	RS	18 (9)
	480	18.0	3	37 <sup>1</sup> / <sub>8</sub> (943.0)	BLN737C5S	RS	15 (7)	BLN737C5C	RS	18 (9)

**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.

⑦ CSA certified only

# Immersion Heaters

## WATROD and FIREBAR Screw Plug Immersion Heaters

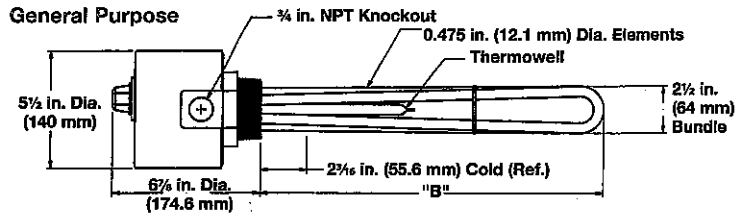


### Application: Clean Water

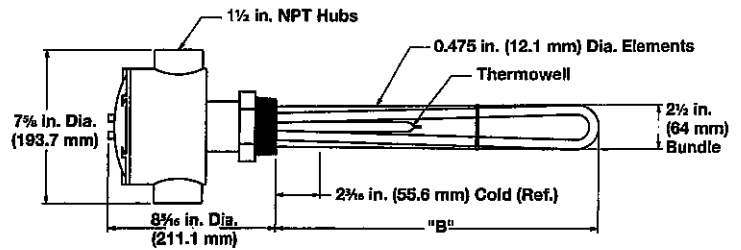
- 2 1/2 inch NPT screw plug
- WATROD elements
- With thermostat (DPST)

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

- General purpose or moisture/explosion-resistant enclosure



### Moisture/Explosion-Resistant



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.
<b>General Purpose Enclosure</b>											
60 W/in <sup>2</sup> 304 SS Plug 3-Alloy 800 Elements (9.3 W/cm <sup>2</sup> )	240	3.0	3	7 <sup>5</sup> / <sub>8</sub> (193.7)	7 (4)	BLN77L3S4	RS	BLN77L3S5A	RS	BLN77L3S7A	RS
	480	3.0	3	7 <sup>5</sup> / <sub>8</sub> (193.7)	7 (4)	BLN77L13S4	RS	BLN77L13S5A	RS	BLN77L13S7A	RS
	240	4.5	3	10 <sup>5</sup> / <sub>8</sub> (269.9)	8 (4)	BLN710L3S4	RS	BLN710L3S5A	RS	BLN710L3S7A	RS
	480	4.5	3	10 <sup>5</sup> / <sub>8</sub> (269.9)	8 (4)	BLN610K13S4	RS	BLN610K13S5A	RS	BLN610K13S7A	RS
	240	6.0	3	14 <sup>5</sup> / <sub>8</sub> (371.5)	10 (5)	BLN714L3S4	RS	BLN714L3S5A	RS	BLN714L3S7A	RS
	480	6.0	3	14 <sup>5</sup> / <sub>8</sub> (371.5)	10 (5)	BLN714L5S4	RS	BLN714L5S5A	RS	BLN714L5S7A	RS
	240	7.5	3	17 <sup>5</sup> / <sub>8</sub> (447.7)	10 (5)	BLN717L3S4	RS	BLN717L3S5A	RS	BLN717L3S7A	RS
	240	9.0	3	20 <sup>5</sup> / <sub>8</sub> (523.9)	12 (6)	BLN720L3S4	RS	BLN720L3S5A	RS	BLN720L3S7A	RS
<b>Moisture/Explosion-Resistant Enclosure ⑦</b>											
60 W/in <sup>2</sup> 304 SS Plug 3-Alloy 800 Elements (9.3 W/cm <sup>2</sup> )	240	3.0	3	7 <sup>5</sup> / <sub>8</sub> (193.7)	10 (5)	BLN77L3C4	RS	BLN77L3C5A	RS	BLN77L3C7A	RS
	480	3.0	3	7 <sup>5</sup> / <sub>8</sub> (193.7)	10 (5)	BLN77L13C4	RS	BLN77L13C5A	RS	BLN77L13C7A	RS
	240	4.5	3	10 <sup>5</sup> / <sub>8</sub> (269.9)	11 (5)	BLN710L3C4	RS	BLN710L3C5A	RS	BLN710L3C7A	RS
	480	4.5	3	10 <sup>5</sup> / <sub>8</sub> (269.9)	11 (5)	BLN610K13C4	RS	BLN610K13C5A	RS	BLN610K13C7A	RS
	240	6.0	3	14 <sup>5</sup> / <sub>8</sub> (371.5)	13 (6)	BLN714L3C4	RS	BLN714L3C5A	RS	BLN714L3C7A	RS
	480	6.0	3	14 <sup>5</sup> / <sub>8</sub> (371.5)	13 (6)	BLN714L5C4	RS	BLN714L5C5A	RS	BLN714L5C7A	RS
	240	7.5	3	17 <sup>5</sup> / <sub>8</sub> (447.7)	13 (6)	BLN717L3C4	RS	BLN717L3C5A	RS	BLN717L3C7A	RS
	240	9.0	3	20 <sup>5</sup> / <sub>8</sub> (523.9)	15 (7)	BLN720L3C4	RS	BLN720L3C5A	RS	BLN720L3C7A	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.

⑦ CSA certified only

# Immersion Heaters

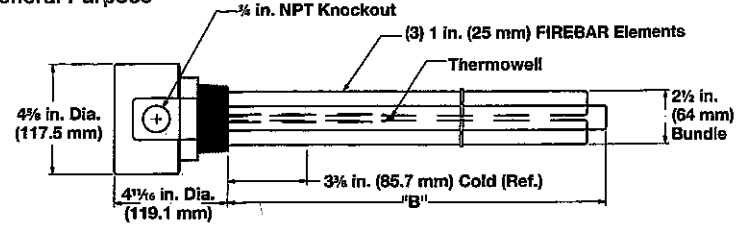
## WATROD and FIREBAR Screw Plug Immersion Heaters



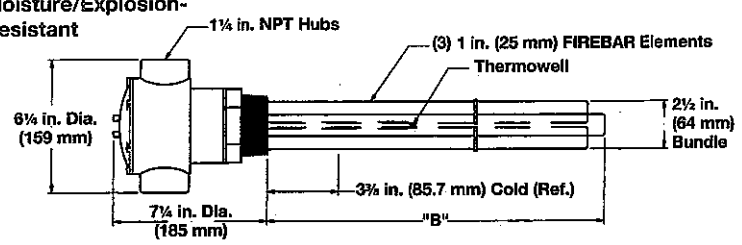
### Application: Clean Water

- 2 1/2 inch NPT screw plug
- FIREBAR elements
- Without thermostat
- General purpose or moisture/explosion-resistant enclosure

General Purpose



Moisture/Explosion-Resistant



Description	Volts	kW	Ph	'B' Dim. in. (mm)	General Purpose Enclosure		Moisture/Explosion-Resistant Enclosure		Del.	Ship. Wt. lbs. (kg)
					Part Number	Del.	Part Number ⑦	Del.		
90 W/in <sup>2</sup> © 304 SS Plug 3-Alloy 800 Elements (14 W/cm <sup>2</sup> )	240	15.0	3	15 1/8 (384.2)	<b>BLNF15C3S</b>	RS	11 (5)	<b>BLNF15C3C</b>	RS	14 (7)
	480	15.0	3	15 1/8 (384.2)	<b>BLNF15C5S</b>	RS	11 (5)	<b>BLNF15C5C</b>	RS	14 (7)
	240	20.0	3	18 1/8 (460.4)	<b>BLNF18C3S</b>	RS	12 (6)	<b>BLNF18C3C</b>	RS	15 (7)
	480	20.0	3	18 1/8 (460.4)	<b>BLNF18C5S</b> ③	RS	12 (6)	<b>BLNF18C5C</b> ③	RS	15 (7)
	480	25.0	3	23 1/8 (587.4)	<b>BLNF23C5S</b>	RS	14 (7)	<b>BLNF23C5C</b>	RS	17 (8)
	480	32.0	3	28 5/8 (727.1)	<b>BLNF28L5S</b>	RS	17 (8)	<b>BLNF28L5C</b>	RS	20 (9)
	480	38.0	3	33 5/8 (854.1)	<b>BLNF33L5S</b>	RS	18 (9)	<b>BLNF33L5C</b>	RS	21 (10)

**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.

- ③ Wired for 3-phase operation only
- ⑦ CSA certified only
- ⑧ Can be wired for 1-phase operation