

ЕЛЕКТРОЛУКС Electrolux

Cartridge Heaters: [Immersion](#)

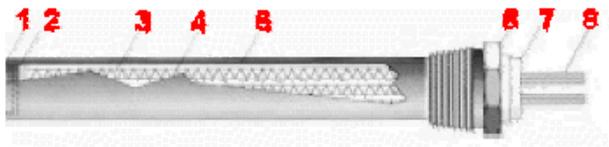
Cartridge Heaters: [Special Immersion](#)



Features

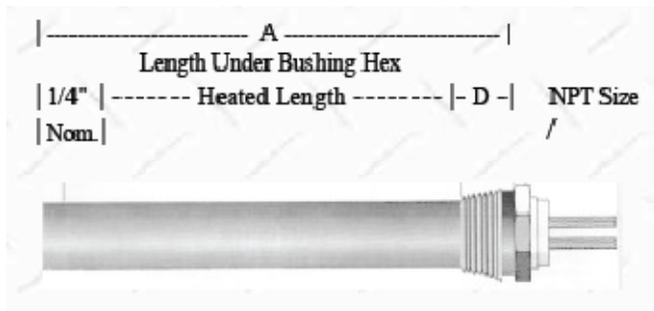
- 1 The Electrolux Macedonia Immersion Heater may be supplied with various junction boxes for additional terminal or lead protection.
- 1 For corrosive environments, units can be supplied in other special alloys best suited to the operating conditions.
- 1 The lead end of the unit may be sealed for extreme environmental conditions.
- 1 Units may be supplied for three phase or three heat operation.

Construction



1. Welded end.
2. Mica.
3. Magnesium oxide packing.
4. Element wire situated in close proximity to outside surface for maximum heat transfer and minimum internal temperature while preserving good dielectric qualities.
5. Series 316 stainless steel sheath.
6. Mounting bushing.
7. Ceramic cap.
8. Flexible stranded nickel alloy insulated leads or rust resistant post terminals.

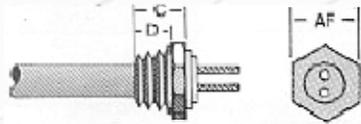
Standard Immersion Heater



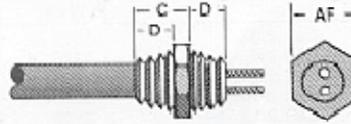
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Brass Bushings

SF25A: Single

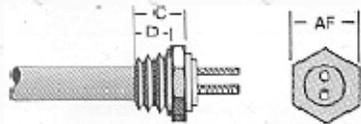


SF25B: Coupling Head

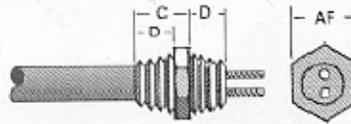


Stainless Steel Bushings

SF25C: Single



SF25D: Coupling Head



* Wattages are based on a unit operating immersed in water. For heating other materials, see table for Suggested Watt Densities or for Sheath Materials.

* Red catalog number denotes stock item. See stock section for specific ratings.

* Lengths between and longer than those listed may be ordered.

1/4" Diameter NPT Size: 1/8" Standard Termination: 6" Leads (SF1-6) Maximum Amperage: 3.5 AF: 7/16" C: 1/2" D: 3/8"		
Length A	Catalog Number	Max.Watt. in Water
2"	EM25-2	115
3"	EM25-3	185
4"	EM25-4	255
5"	EM25-5	325
6"	EM25-6	395
7"	EM25-7	465

3/8" Diameter NPT Size: 1/4" Standard Termination: 6" Leads (SF1-6) Maximum Amperage: 6.0 AF: 5/8" C: 9/16" D: 7/16"		
Length A	Catalog Number	Max.Watt. in Water
2"	EM37-2	130
3"	EM37-3	240
4"	EM37-4	345
5"	EM37-5	450
6"	EM37-6	555
7"	EM37-7	660

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1/2" Diameter
NPT Size: 3/8"
Standard Termination: 6" Leads
(SF1-6)
Maximum Amperage: 10
AF: 11/16" C: 5/8" D: 7/16"

Length A	Catalog Number	Max.Watt. in Water
3"	EM50-3	360
4"	EM50-4	505
5"	EM50-5	635
6"	EM50-6	765
7"	EM50-7	895
8"	EM50-8	1030

5/8" Diameter
NPT Size: 1/2"
Standard Termination: 6"Leads
(SF1-6)
Maximum Amperage: 10
AF: 7/8" C: 3/4" D: 9/16"

Length A	Catalog Number	Max.Watt. in Water
3"	EM62-3	430
4"	EM62-4	605
5"	EM62-5	785
6"	EM62-6	1060
7"	EM62-7	1135
8"	EM62-8	1310

3/4" Diameter
NPT Size: 3/4"
Standard Termination: 6" Leads
(SF1-6)
Maximum Amperage: 15
AF: 1 1/8" C: 7/8" D: 5/8"

Length A	Catalog Number	Max.Watt. in Water
4"	EM75-4	705
5"	EM75-5	915
6"	EM75-6	1130
7"	EM75-7	1340
8"	EM75-8	1555
9"	EM75-9	1765

1" Diameter
NPT Size: 1"
Standard Termination: 8-32 Screw &
Nut(SF3)
Maximum Amperage: 25
AF: 1 1/2" C: 15/16" D:
11/16"

Length A	Catalog Number	Max.Watt. in Water
5"	EM1.0-5	1195
6"	EM1.0-6	1495
7"	EM1.0-7	1795
8"	EM1.0-8	2095
9"	EM1.0-9	2395
10"	EM1.0-10	2695

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1 1/4" Diameter
NPT Size: 1 1/4"
Standard Termination: 8-32 Screw & Nut (SF3)
Maximum Amperage: 30
AF: 1 13/4" C: 1 1/32" D: 23/32"

Length A	Catalog Number	Max. Watt. in Water
6"	EM1.2-6	1690
7"	EM1.2-7	2145
8"	EM1.2-8	2600
10"	EM1.2-10	3055
12"	EM1.2-12	3505
14"	EM1.2-14	3960

1.9" Diameter
NPT Size: 2"
Standard Termination: 6" Leads (SF1-6)
Maximum Amperage: 40
AF: 2 1/2" C: 1 7/16" D: 11/16"

Length A	Catalog Number	Max. Watt. in Water
10"	EM1.9-10	4200
12"	EM1.9-12	5000
16"	EM1.9-16	6700
20"	EM1.9-20	8400
24"	EM1.9-24	10000
30"	EM1.9-30	12600

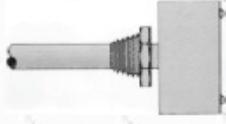
2.3" Diameter
NPT Size: 2 1/2"
Standard Termination: 6" Leads (SF1-6)
Maximum Amperage: 50.0
AF: 3" C: 1 3/4" D: 7/8"

Length A	Catalog Number	Max. Watt. in Water
12"	EM2.3-12	6000
18"	EM2.3-18	9000
24"	EM2.3-24	12000
30"	EM2.3-30	15000
36"	EM2.3-36	18000
42"	EM2.3-42	21000

Termination Enclosure Options

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SF13A: General purpose box.
NEMA No.1. 2 3/4" x 1 1/2" x 1 1/2"



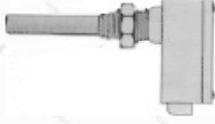
Available on: 1/4" to 1" diameter.

SF13B: Moisture resistant box.
Mounted on NPT coupling head fitting.



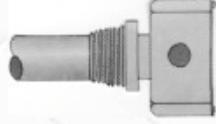
Available on: 3/8" to 1 1/4" diameter.

SF13C: Explosion resistant box.
Mounted on NPT coupling head fitting.



Available on: 3/8" to 1 1/4" diameter.

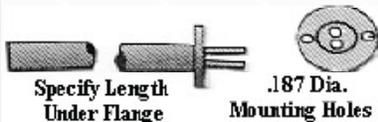
SF13D: General purpose box.
NEMA No.1. Rust resistant steel 4" octagonal



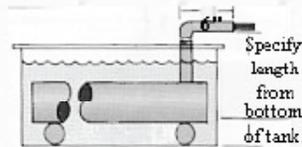
Available on: 1 1/4" to 2 3/8" diameter.

Installation Options

SF26: Stainless steel flange. Mounting hole centers for 1/4" to 5/8" diameters is 1 1/8" and for 3/4" diameter is 1 5/32". Special flange sizes available upon request.



SF27: Stainless steel riser and support feet for over the side immersion heaters. Consult factory for availability.



XS76: Straight thread with nut. Specify thread size and if bushing is to be standard (hex outside vessel) or inverted (hex inside vessel).



Voltage

Standard voltages are either 120V or 240V.
Other voltages are available.

Tolerances

Wattage tolerances are held to +5%, -10% at rated voltage. Length tolerances are $\pm 2\%$ with a $\pm 1/16"$ minimum.

How to Order

After determining the wattage required and the line voltage available, determine the physical space available for heaters and the number of heaters required.

Specify: Catalog number, wattage, voltage, lead type, bushing type, and special features if required.

Example: EM62-6/700W/240V/SF1-12/SF13A/SF25B