

IMMERSION CARTRIDGE HEATERS

Features & Benefits

- ▶ 316 stainless steel sheath for corrosion resistance
- ▶ Internal heat source is close to sheath, maximizing heat transfer
- ▶ Magnesium oxide packing minimizes internal temperature losses
- ▶ NPT threaded bushing for sealing against process liquid
- ▶ Customized wattage for application

Specifications

Voltage: 120 or 240 VAC, single or 3-phase

Power Density: Up to 70 watts/in² (11 watts/cm²)
(determined by heater diameter and maximum amps)

Ordering Information

Catalog No.	EM25	EM37	EM50	EM62	EM75	EM1.0	EM1.2	EM1.9	EM2.3
Bushing NPT	1/8	1/4	3/8	1/2	3/4	1	1-1/4	2	2-1/2
Element Dia (in)	0.25	0.37	0.5	0.62	0.75	1.0	1.25	1.9	2.3
Maximum Amps	3.5	6.0	10	10	15	25	30	40	50

Customize Your Immersion Cartridge Heater*

Other voltages and distributive wattage available

Sheath Material: 316 stainless steel or incoloy

Mounting Bushings: Brass, stainless steel, single NPT or double coupling head

Thermocouple: Type-J, Type-K, grounded, ungrounded

Potting Leads: Epoxy, silicone rubber, or ceramic-metal; hermetically sealed

Lead Configuration: Right angle, spring protection, ground wire, fiberglass, or silicone sleeves; strain-relief

Lead Protection: Flexible stainless steel conduit, stainless steel flexible braid

Terminal Enclosure: Nema 1 general purpose, Nema 1 rust resistant, moisture resistant, explosion resistant

*Not all options are available in all sizes

IMPORTANT: The heated portion is designed to be fully immersed in liquid. A temperature controller is required for these products. See options starting on page 145.

UL Recognized - E56973

CSA - 016-0-000

