

## DURABLE, EFFICIENT CHEMICAL HEATER

Over the side. durable, efficient, 9 element, tubular chemical heater. Heavy wall metal sheaths available in 316 stainless steel. Check solution recommendation chart with your chemical supplier for proper sheath material selection. Corrosion-resistant head. Three phase. 9000-31500 watts, 240-480 volts.



9HS



Volts:  
240 to 480 volts



Watts: 9000 to  
31,500 watts



Certification:  
cULus listed (except  
steel). CE compliant  
(except 600 volts)

### FEATURES

For use in most aqueous alkaline solutions, plating and phosphate tanks. Check solution recommendation chart with your chemical supplier for proper sheath material selection.

Heavy wall metal sheaths available in: steel, 304 stainless steel, 316 stainless steel, titanium.

Watt densities up to 46 watts per square inch (7.1 w/cm<sup>2</sup>) ensure long service life.

Vapor-resistant, flame retardant polypropylene terminal enclosure with 3 ft (.9m) flexible PVC liquid tight conduit.

Temperature and level controls sized to match the heater.

Lower watt densities for highly viscous solutions.

#### 9HS SERIES, NINE ELEMENT STAINLESS STEEL HEATERS

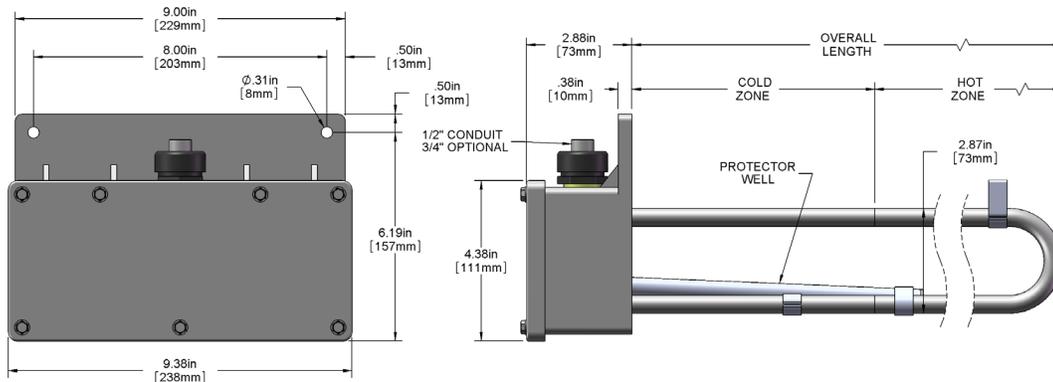
WATTS	VOLTS	HOT ZONE In./(mm)	OVERALL LENGTH In./(mm)	MODEL NUMBER	SHIP WGT. Lbs./(kg)
9000	240	10	17	9HS9217-**	16
	480	(254)	(432)	9HS9417-**	(7.3)
13500	240	16	23	9HS13.5223-**	19
	480	(406)	(584)	9HS13.5423-**	(8.6)
22500	240	20	29	9HS22.5229-**	23
	480	(508)	(737)	9HS22.5429-**	(10.4)
31500	240*	25	34	9HS31.5234-M-**	25
	480	(635)	(864)	9HS31.5434-**	(11.3)

# 9HS Metal Heater

## SPECIFICATIONS

Wattages	9,000 Watts to 31,500 Watts
Voltages	240 Volts to 480 Volts
Options	Special configurations & lengths Longer wire and conduit lengths All metal welded junction box
Safety Features	Grounded construction Thermal protector built in. Replaceable PI protector standard for solutions . See chart below for options

## DIMENSIONS



## MODEL NUMBER BREAKDOWN

Series	Wattage	Voltage	Overall Length (in.)	Phase	Type of Protector	Wire & Conduit Length
9HS = 9 element, 316 stainless steel	9 = 9000	2 = 240	17 = 9kW	no designator = three phase(std)	<b>Replaceable Fuse</b> P1 (std) = solutions up to 180°F P4 = solutions up to 230°F P5 = solutions up to 300°F	36" length standard (no designator) Specify variations from standard Ex: -X84 = 84"
	13.5 = 13500	3 = 380	23 = 13.5kW	-1 = single phase	<b>Resettable Fuse</b> P2 = solutions up to 180°F P6 = solutions up to 230°F P7 = solutions up to 300°F	
	22.5 = 22500	4 = 480	29 = 22.5kW			
	31.5 = 31500	5 = 415	34 = 31.5kW			
		6 = 600				
		7 = 400				
		8 = 208				
		9 = 220				
		0 = 200				