

# CSA Listed Explosion-proof Heaters

## Construction Features



Heatrex explosion-proof pipe thread mounted immersion heaters are CSA approved, File LR11895-74, for use in hazardous areas classified as Class I, Division 1, Groups B, C and D; and Class II, Division 1, Groups E, F and G.

These heaters are available in 2" NPT and 2-1/2" NPT construction. The fittings and element sheath(s) are 304 stainless steel and suitable for NEMA 3 and corrosive environments. A limited offering of 1-1/4" NPT heaters are available subject to restrictions on element count, well size and thermostat range. Consult the factory for additional information.

The end user is responsible for installation. The installation must include a high temperature limit and, if a tank application, a low liquid level control. The Heatrex thermostat, if specified, is for process control of the application.

For details on particular hazardous environments having potential for explosion, refer to Articles 500–516 of the National Electrical Code and/or Section 18 of the Canadian Electrical Code, Part 1.

These heaters are designed to be permanently mounted in a horizontal position above the anticipated sludge level. These heaters are approved for operation in a maximum ambient temperature of 40° C, 104° F.

Selection criteria include determining KW requirements and sheath watt density with an additional calculation of the temperature rating (T rating) **as shown on the next page**. Heatrex must know the fluid heated, which will appear on the nameplate, illustrated below.

Construction features include .475" diameter compacted tubular element(s), repressed U-bends, nested third element with spacer for structural strength and either 0–100° F, 40–120° F or 60–250° F process thermostat.

	Class I, Div. 1, Groups B,C,&D	
	Class II, Div.1, Groups E,F,&G	
Catalog # <input type="text"/>	KW <input type="text"/> Volts <input type="text"/> Phase <input type="text"/> 50/60 Hz, Temp Code <input type="text"/>	
Process Temp. <input type="text"/> °F; <input type="text"/> °C. MWPP <input type="text"/> (240psi)	Approved high temp. and level controls must be provided for safe operation. see instructions HX-71-2175-83	
For horizontal mounting in <input type="text"/> only.	N131-106	