

# IMMERSION HEATER D-8800

Used for heating up liquids and gases. Stainless steel is the material used for the unit.

## SPECIFICATIONS

- up to 36" flange, ANSI B 16.5 carbon steel, high alloy steel
- enclosure class IP66
- heating element diameter: Ø8.5, Ø10.2, Ø12.7 and Ø16mm
- element materials: high alloy steel, nickel alloy and copper alloy
- length up to 3000mm (see table on next page)
- baffle plate made from stainless steel
- the unit can be supplied with:
  - 1) thermostat, thermoelement or PT100
  - 2) temperature transmitter
  - 3) condensation inhibiting unit
  - 4) approved cable glands, standard material: brass
- max. operating voltage 1100V

The maximum permitted heating element energy loss is based on a maximum surface load which is physically dependent on the temperature of the medium and the type of liquid substance. The safety device temperature setting will prevent the maximum temperature exceeding the temperature class.

## APPLICATION

- heating of mineral oil, heavy oil and heat transmission oil
- pre- and postheating of gas
- heating and superheating of gases (nitrogen, natural gas, carbon dioxide gas, etc.)
- heat regeneration
- deicing
- process water
- evaporation water
- water separation of glycol
- heating of other fluid substances

## ADVANTAGES

- up to 2.5MW per unit
- low maintenance costs
- lightweight design
- economical

## STANDARDS

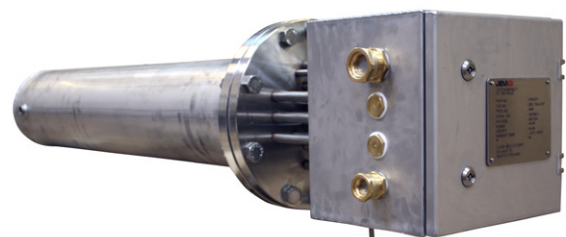
- in accordance with applicable standards

## DESIGN

Pressure vessel or a combination of vessels as an integrated part of the heating unit. The units can be fitted with external dimensions of up to 36". The vessel can be designed in accordance with the PED directive or the ASME VIII div. 1 standard.

Most preheaters are supplied complete with control systems for regulation of the operating temperature and maximum temperature. To ensure optimum design and compliance between preheaters and control systems, it is recommended that these are both developed and produced by JEVI.

It is also possible to combine the benefits of both -d- and -e- enclosures, resulting in the most cost-effective, specially produced solution to meet your own specific industrial heating requirements.





**Type D-8800 Ex ed II C T6-T1**

Greater safety -e- size of unit	Type	Flange dim 150 LBS	Insertion length of immersion heater (mm)	Max. capacity, gases (kW)	Max. capacity, liquids (kW)
400 x 400mm	D-8800 M 0561-10	12"	1000	30	60
	D-8800 M 0561-20	12"	2000	90	150
	D-8800 M 0561-30	12"	3000	150	250
500 x 500mm	D-8800 P 1021-10	16"	1000	60	150
	D-8800 P 1021-20	16"	2000	180	400
	D-8800 P 1021-30	16"	3000	300	600
600 x 600mm	D-8800 S 1601-10	20"	1000	85	200
	D-8800 S 1601-20	20"	2000	250	500
	D-8800 S 1601-30	20"	3000	420	700
800 x 800mm	D-8800 V 2001-10	30"	1000	200	600
	D-8800 V 2001-20	30"	2000	600	1000
	D-8800 V 2001-30	30"	3000	1000	1500
1000 x 1000mm	D-8800 W 3161-10	36"	1000	300	650
	D-8800 W 3161-20	36"	2000	1000	1900
	D-8800 W3161-30	36"	3000	1500	2500