

TURBO-V HEATER BANDModel 969-9801 to 969-9814
Model 969-9317, 969-9327

To reach base pressure in the chamber or system in the shortest possible time, it is recommended to bake out the chamber and at the same time to bake out the Turbo-V pump.

For this purpose an heater band is provided.

The heater is shaped to fit the upper part of the envelope (fig. 1) and will automatically heat it to a temperature of about 80°C.

The required bake out time will be a function of the degree of contamination of the pump and of the desired base pressure value.

Whenever possible it is recommended to connect the heater band using the facilities already built into the Turbo-V controller; otherwise plug it to the appropriate outlet socket.

CAUTION

The maximum permissible temperature of the Turbo-V pump inlet flange is 120°C (250°F). If the system chamber is to be baked out at high temperature, a radiation shield must be used to prevent overheating of the inlet flange on the Turbo-V pump.

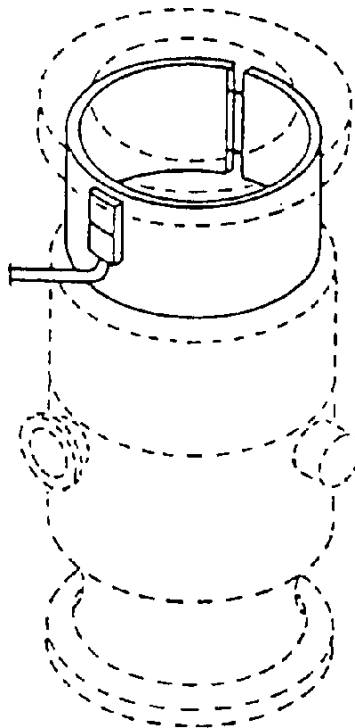


Fig. 1
Heater installation

The table reports the outline dimensions, specifications and the applicability of the heater bands.

HEATER BANDS	USED ON	INPUT		INTERNAL	HEIGHT
		VOLTAGE	POWER	DIAMETER	
969-9801	Turbo-V 70 series	220V	50W	80	20
969-9802		120V	50W	(3.15)	(.787)
969-9801	Turbo-V 80 series	220V	50W	80	20
969-9802		120V	50W	(3.15)	(.787)
969-9803	Turbo-V 200 series	220V	60W	116	30
969-9804		120V	60W	(4.56)	(1.18)
969-9803	Turbo-V 250 series	220V	60W	116	22
969-9804		120V	60W	(4.56)	(.866)
969-9805	Turbo-V 300 series	220V	100W	157	35
969-9806		120V	100W	(6.18)	(1.37)
969-9803	Turbo-V 300HT series	220V	60W	116	22
969-9804		120V	60W	(4.56)	(.866)
969-9807	Turbo-V 450 series	220V	100W	190	50
969-9808		120V	100W	(7.48)	(1.96)
969-9807	Turbo-V 500 series	220V	100W	190	50
969-9808		120V	100W	(7.48)	(1.96)
969-9807	Turbo-V 700HT series	220V	100W	190	50
969-9808		120V	100W	(7.48)	(1.96)
969-9809	Turbo-V 1000 series	220V	200W	234	70
969-9310		120V	200W	(9.21)	(2.75)
969-9317	Turbo-V 1000HT series	220V	200W	234	30
969-9327		120V	200W	(9.21)	(1.18)
969-9811	Turbo-V 1800 series	220V	200W	295	90
969-9812		120V	200W	(11.61)	(3.54)
969-9813	Turbo-V 3500 series	220V	250W	444	100
969-9814		120V	250W	(17.48)	(3.93)

Dimensions $\frac{\text{mm}}{\text{inches}}$