



Heating Device 419411 for Series 65 Pendulum Control & Isolation Valve



Read these «**Installation, Operating and Maintenance Instructions**» and the enclosed «**General Safety Instructions**» carefully before you start any other action.

Warning



During operation hot surfaces!



Electrical power may only be connected if

- heating device has been installed on the valve
- valve has been installed into the vacuum system
- hot surfaces cannot be touched

Intended Use of Product

This product is only designed for use with a Series 65 Pendulum Control & Isolation Valve. The product may only be operated within the ranges specified below.

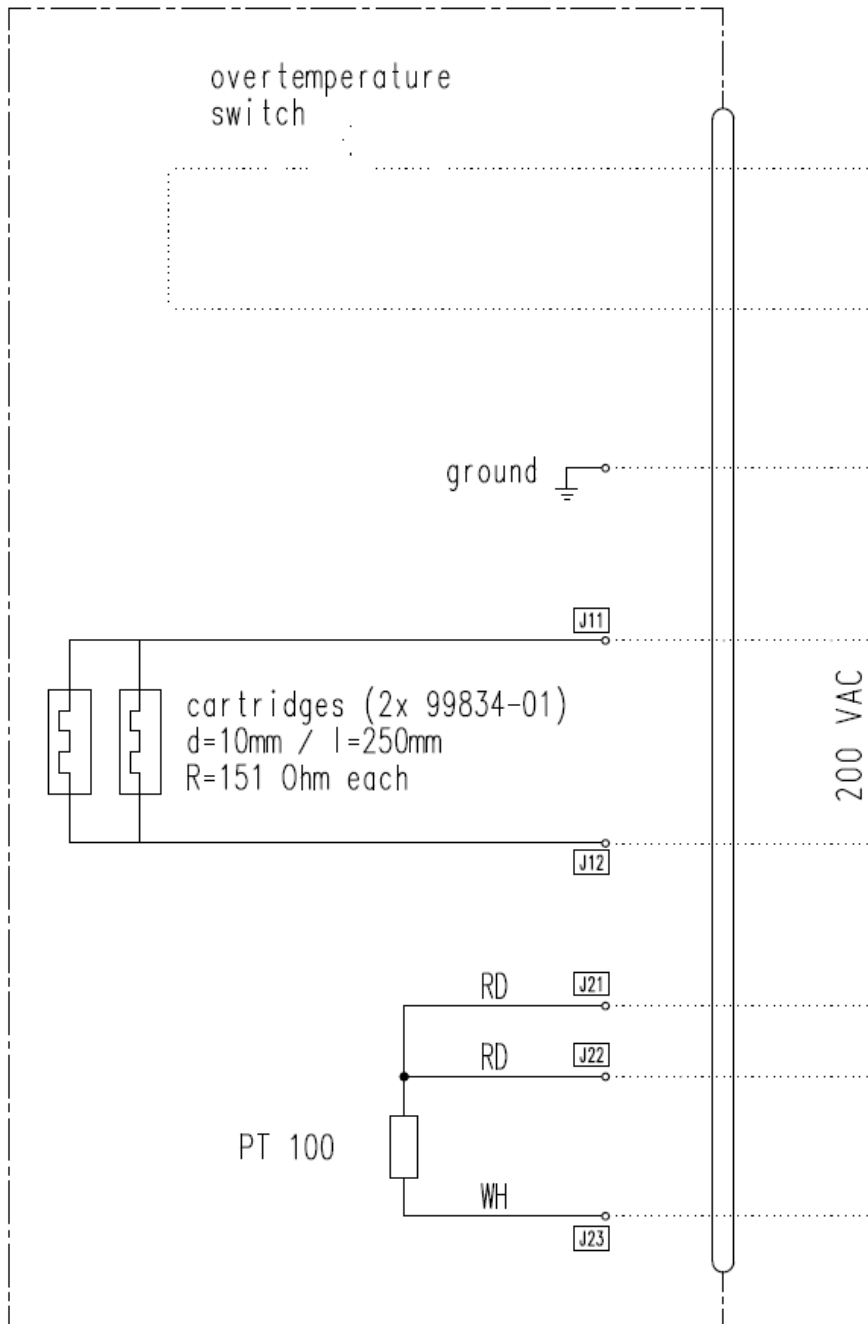
Technical Data

Heating method	Cartridge heater
Heater power	530 W at 200 VAC
Temperature control	Temperature sensor PT 100 / Customers temperature controller
Heating temperature	max. 120 °C
Overtemperature protection	Customers overtemperature switch
Mains protection	Attention: This heating device is not protected by an individual circuit breaker or fuse. Mains protection has to be provided in mains supply of customer. VAT recommends a slow-acting 8 amps fuse.
Heat insulation valve	Polycarbonate cover



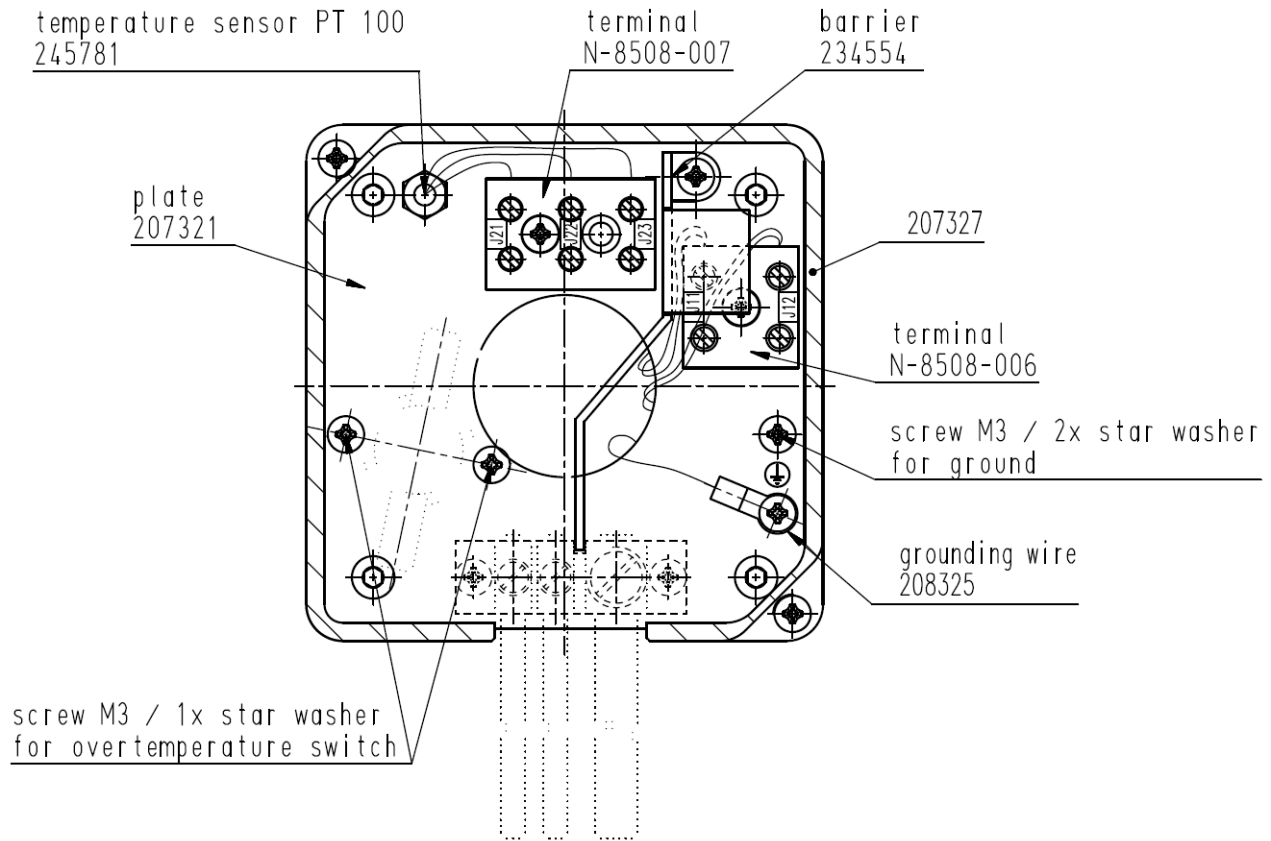
Installation

The heater assembly is already attached to the valve. Install according to the connection diagram as follows:





Installation, Operating & Maintenance Instructions
Series 650, DN 200-250 (I.D. 8-10")



Cover part number as mentioned above does **not include** any **safety labels**. Please specify the **fabrication number of the valve** (see yellow label on valve) when ordering. This ensures that appropriate labels can be attached.



Repairs

Contact VAT for repairs or maintenance.

Products returned to VAT for repair have to be free of harmful substances such as e.g. toxic, caustic or microbiological ones. For radioactively contaminated products the customer has to fill in the VAT form «Contamination and Radiation Report» and to send it with the product. The form is available at VAT. The maximum permissible values indicated in the form must not be exceeded.

Warranty

Each product sold by VAT Vakuumentile AG (VAT) is warranted to be free from the manufacturing defects that adversely affect the normal functioning thereof during the one-year period immediately following delivery thereof by VAT, provided that the same is properly operated under conditions of normal use and that regular, periodic maintenance and service is performed or replacements made, in accordance with the instructions provided by VAT. The foregoing warranty shall not apply to any product or component that has been repaired or altered by anyone other than an authorized VAT representative or that has been subject to improper installation or abuse, misuse, negligence or accident. VAT shall not be liable for any damage, loss, or expense, whether consequential, special, incidental, direct or otherwise, caused by, arising out of or connected with the manufacture, delivery (including any delay in or failure to deliver), packaging, storage or use of any product sold or delivered by VAT shall fail to conform to the foregoing warranty or to the description thereof contained herein, the purchaser thereof, as its exclusive remedy, shall upon prompt notice to VAT of any such defect or failure and upon the return of the product, part or component in question to VAT at its factory, with transportation charges prepaid, and upon VAT's inspection confirming the existence of any defect inconsistent with said warranty or any such failure, be entitled to have such defect or failure cured at VAT's factory and at no charge therefor, by replacement or repair of said product, as VAT may elect. VAT MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, EXPRESS OR IMPLIED, (INCLUDING NO WARRANTY OR MERCHANTABILITY), EXCEPT FOR THE FOREGOING WARRANTY AND THE WARRANTY THAT EACH PRODUCT SHALL CONFORM TO THE DESCRIPTION THEREOF CONTAINED HEREIN, and no warranty shall be implied by law.

Furthermore, the «Terms of sale» at the back of the price list are applicable.