

Advanta Electrical Trace Heater

Description

The ability to control the temperature of a filter system is beneficial in many applications. These include:-

- Hot water tank vents-elimination of condensate to comply with current GMP
- Freeze dryer vacuum break filters - removal of residual water after steaming or integrity testing
- Filtration of ointment bases- reduction of viscosity or liquidification
- Bulk active ingredient production- temperature control to avoid crystallisation during filtration



In these and many other applications the electrical trace heaters for 'Advanta' housings offer a number of advantages.

- Easy installation-allowing simple upgrade of existing housings-the preformed cylindrical silicone jacket is self aligning with the **Advanta** housing bowl. It can also be used on housings with 100mm nominal diameter bowls.*
- Simple temperature adjustment-control box has a digital input from ambient to 140°C
- Large LED display of actual temperature-measured by PT100 thermocouple
- Separate IP54 rated control box allows full control independent of the housing location
- Low overall installation cost-no expensive steam valves, piping and pressure regulators required
- Easy removal or access for changeout of filter elements

**Please contact Pall for further details.*

Heating Jacket

Jacket Material:	Silicone Rubber
Insulation Material:	Silicone Foam
Operating Voltage:	240V/50 Hz or 110 V 60 Hz
Power Output:	305 mm long = 300W* 559 mm long = 600W**
Maximum Temperature De-energised:	200°C
Temperature Sensor:	PT100
Thermal Cut-out Temperature setting:	150°C ± 5°C
Testing Voltage:	1500V
Insulation Value:	Greater than 100 MΩ
Protection Rating:	IP65
Design Standard:	EN 60519-1 and EN 60519-2
Lead Length:	1m

*For 254mm filter elements
**For 508mm filter elements

Temperature Control Unit

Housing Material:	Polycarbonate
Operating Voltage:	240 V/50 Hz or 110 V 60 Hz
Recommended Temperature Setting Range:	Ambient to 140°C***
Maximum Environmental Temperature for Controller:	55°C
Maximum Output - Current:	7A
Over Current Protection @ 23°C Ambient:	4 sec @ 12A, 1 sec @ 24A
Set Temperature Display:	8mm red LED display
Actual Temperature Display:	10mm green LED display PID (Proportional Integral Derivative control via Autotune parameters set by the user)
Protection Rating:	IP54
Design Standards:	EN61010-1

***Consult filter element specifications for max. operating temperatures

Ordering Information

Advanta Trace Heater System for Housings to hold 254mm Filter Elements	
Pall part number	Description
ACS0677AM	240V/50Hz, UK Plug
ACS0678AM	250V/50Hz, European Plug
ACS0685AM	Extension Lead set (10m)

Advanta Trace Heater System for Housings to hold 508mm Filter Elements	
Pall part number	Description
ACS0681AM	240V/50Hz, UK Plug
ACS0682AM	250V/50Hz, European Plug
ACS0685AM	Extension Lead set (10m)



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