

# Pall Advanta™ Electrical Trace Heater

## For Enhanced Temperature Control



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 crystallization during filtration

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

- Easy installation — allowing simple upgrade of existing housings — the preformed cylindrical silicone jacket is with the Pall **Advanta** housing bowl. It can also be used on housings with 100 mm 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.

### Ordering Information

#### Advanta Trace Heater System for Housings to hold 10 in. (254 mm) Filter Elements

Part Number	Description
ACS0681AM	240 V (50 Hz), UK Plug
ACS0682AM	250 V (50 Hz), European Plug
ACS0685AM	Extension Lead set (10 m [33 ft])

#### Advanta Trace Heater System for Housings to hold 20 in. (508 mm) Filter Elements

Part Number	Description
ACS0677AM	240 V (50 Hz), UK Plug
ACS0678AM	250 V (50 Hz), European Plug
ACS0685AM	Extension Lead set (10m [33 ft])

### Heating Jacket

Jacket Material	Silicone Rubber
Insulation Material	Silicone Foam
Operating Voltage	240 V (50 Hz) or 110 V (60 Hz)
Power Output	305 mm (11.8 in.) long = 300 W <sup>(1)</sup> 559 mm (22 in.) long = 600 W <sup>(2)</sup>
Maximum Temperature De-energized	200 °C (392 °F)
Temperature Sensor	PT100
Thermal Cut-out Temperature Setting	150 °C ± 5 °C (302 °F ± 41 °F)
Testing Voltage	1500 VΩ
Insulation Value	Greater than 100 MΩ
Protection Rating	IP65
Design Standard	EN 60519-1 and EN 60519-2
Lead Length	1 m (3.3 ft)

### 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 (284 °F) <sup>(3)</sup>
Maximum Environmental Temperature for Controller	55 °C (131 °F)
Maximum Output — Current	7A
Over Current Protection @ 23 °C Ambient	4 seconds @ 12A 1 seconds @ 24A
Set Temperature Display	8 mm (0.31 in.) red LED display
Actual Temperature Display	10 mm (0.39 in.) green LED display PID (Proportional Integral Derivative control via Autotune parameters set by the user)
Protection Rating	IP54
Design Standards	EN61010-1

<sup>(1)</sup> For 10 in. (254 mm) filter elements.

<sup>(2)</sup> For 20 in. (508 mm) filter elements.

<sup>(3)</sup> Consult filter element specifications for maximum operating temperatures.