

DUCT HEATER QUESTIONNAIRE

Contact Name _____

Company _____

Address _____ Town / City _____

Contact Details Phone: _____ Fax: _____

Email _____

Name of Project: _____

Heating / KW Capacity

_____ kW Required _____ Temp Rise Required

Airflow required

_____ Lps Required

Installation

- * Indoor. (IP 30) * Outdoor. (IP54) * Hazardous (Dust / Vapours).

Air Flow Direction

- * Horizontal & Filtered. * Vertical Down-Flow & Filtered. * Vertical Up-Flow & Filtered.

Terminal Compartment Entry (Fig 2)

- * Side Entry. * Bottom Entry. * Top Entry.

Element Bank Case Material Required

- * Fabricated Galv Iron. * 304 Stainless Steel. * 316 Stainless Steel.

Duct Details: (if below needs more explanation - e-mail Avon a dimensioned sketch)

* Duct (Air Size) - _____ dia

or

* Duct (Air Size) - _____ Wide x _____ High / Deep

* Metalwork Duct - _____ Wide x _____ High / Deep

Heating Elements and Switching Stages --

- Unbalanced OK i.e. 3 Elements for 3 stage (3 phase unit)
- Balanced loads essential. i.e. 9 Elements for 3 stage (3 phase unit)

Controls required (Forward Speci if available)

* **Wired as 1 / 2 / 3 phase** -- specify _____ Phase

Control Voltage

SAFETY CONTROLS

- * Standard Manual Reset Thermostat (s). (Specify 75°C, 90°C or 100°C or Other °C if known)
- * Adjustable Manual Reset Thermostat (s). (Range 50°C - 300°C)
- * Remote Manual Reset Thermostat. (Supplied in Plastic Box for Remote Installation)
Air Pressure Switch -- Specify Duct Pressure & preference for adjustable or non adjustable
- * Non Adjustable Air Pressure Switch with Duct Fittings - what is the duct pressure?Pascals
- * Adjustable Air Pressure Switch with duct fittings ----- what is the duct pressure?Pascals
- * Fan "Run On" thermostat / control.
- * is a "main" ON /OFF switch required (when on the Duct Heater does not qualify as an Isolator).

SINGLE STAGE CONTROLS

- * Single Stage Mechanical Thermostat (Range 0°C – 40°C with 2°C increments) 1450mm capillary.
- * Regin Pulsing Controller with TG-K330 Duct Sensor – suitable for 3.4kW max.
- * Carel Pulse Controller with SSR & Heatsink

TWO STAGE CONTROLS

- * 2 Stage Mechanical Thermostat (Range 8°C - 38°C with 2°C increments) 880mm capillary.
- * 2 Stage Carel Electronic Temperature Controller with NTC Duct Sensor

THREE STAGE CONTROLS

- * 3 Stage Mechanical Thermostat (Range 8°C - 38°C with 2°C increments) 880mm capillary.
- * 3 Stage Carel Electronic Temperature Controller with NTC Duct Sensor.
- * Regin TTC2000 Pulsing Controller with TG-K330 Duct Sensor.
- * Siemens RLU232 Temperature Controller with Modulating SSR.

FOUR STAGE CONTROLS

- * 4 Stage Carel Electronic Temperature Controller with NTC Duct Sensor.

* **OR**, what other special controls required. -- Specify

Where Avon considers necessary, additional Overtemp Protection will be provided.

Any other information that may affect Duct Heater - *Safety? Reliability? Design? Price?*
