

SVE Performance Data Notes

SVE Control Information

AHRI 885-08 DISCHARGE REDUCTIONS

AHRI 885-08 Discharge / < 300 CFM	Octave Bands					
	2	3	4	5	6	7
Environmental Effect	2	1	0	0	0	0
Duct Lining, 5', 8"x8"x1"	2	6	12	25	29	18
End Reflection	9	5	2	0	0	0
Power Division (0 outlets)	0	0	0	0	0	0
5', 8" Flex Duct	6	10	18	20	21	12
Space Effect	5	6	7	8	9	10
Total Attenuation	24	28	39	53	59	40

AHRI 885-08 Discharge 300-700 CFM	Octave Bands					
	2	3	4	5	6	7
Environmental Effect	2	1	0	0	0	0
Duct Lining, 5', 12"x12"x1"	2	4	10	20	20	14
10" End Reflection	9	5	2	0	0	0
Power Division (2 outlets)	3	3	3	3	3	3
5', 8" Flex Duct	6	10	18	20	21	12
Space Effect	5	6	7	8	9	10
Total Attenuation	27	29	40	51	53	39

AHRI 885-08 Discharge >700 CFM	Octave Bands					
	2	3	4	5	6	7
Environmental Effect	2	1	0	0	0	0
Duct Lining, 5', 15"x15"x1"	2	3	9	18	17	12
End Reflection	9	5	2	0	0	0
Power Division (3 outlets)	5	5	5	5	5	5
5', 8" Flex Duct	6	10	18	20	21	12
Space Effect	5	6	7	8	9	10
Total Attenuation	29	30	41	51	52	39

AHRI 885-08 RADIATED REDUCTIONS

NC Radiated (dB re 10 ⁻¹² Watts)	Octave Bands					
	2	3	4	5	6	7
Environmental Adjustment Factor	2	1	0	0	0	0
Plenum/Room Effect	16	18	20	26	31	36
Total dB Reduction	18	19	20	26	31	36

NOTES: Discharge sound power is the sound emitted from the unit discharge. Radiated sound power is the sound transmitted through the casing walls. All sound data is based on tests conducted in accordance with AHRI 880-11. Sound power levels are in dB, re 10⁻¹² Watts. ΔPs is the difference in static pressure from inlet to discharge. NC application data is from AHRI Standard 885-08 Appendix E, as a function of flow rate shown. All data points listed are application ratings outside the scope of the Certification Program. Dash indicates a NC is less than 20. See Engineering section for reductions and definitions.

The following list shows the standard control arrangements available with the SVE product offering. Control packages offer a variety of pressure independent operating functions. Control functions are identified by the Krueger control package number.

PNEUMATIC CONTROL ARRANGEMENTS

All control packages are pressure independent and include a K4 LineaCross, four quadrant, center averaging inlet airflow sensor.

- 1102 - Single Function; DA-NO
- 1103 - Single Function; RA-NC
- 1104 - Multi-function; DA-NO
- 1105 - Multi-function; DA-NC
- 1106 - Multi-function; RA-NO
- 1107 - Multi-function; RA-NC

Pneumatic Control Legend:

- DA - Direct Acting Thermostat
- RA - Reverse Acting Thermostat
- NO - Normally Open Damper Position
- NC - Normally Closed Damper Position
- Single Function Controller - Provides Single Function, DA-NO or RA-NC
- Multi-function Controller - Capable of Providing DA-NO, DA-NC, RA-NC or RA-NO Functions

ANALOG CONTROL ARRANGEMENTS

All control packages are pressure independent and include a K4 LineaCross, four quadrant, center averaging inlet airflow sensor, controller/actuator, control enclosure and wall thermostat to match the control type. An optional 24 volt transformer is available that will be mounted and wired inside the control enclosures.

- 2100 - Heating Control
- 2101 - Cooling Control
- 2115 - Upstream Static Pressure Monitoring Control
- 2116 - Downstream Static Pressure Monitoring Control

DIRECT DIGITAL CONTROL ARRANGEMENT

Control packages are field supplied for factory mounting. All DDC control arrangements include a K4 LineaCross, four quadrant, center averaging inlet airflow sensor and control enclosure. An optional 24 volt transformer is available that will be mounted and wired inside the control enclosure.

RETROFIT/BYPASS TERMINAL UNITS