ROUND DISCHARGE COLLAR (RDC)

**S.I. UNITS**

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**IMPERIAL UNITS**

**REFER TO SUBMITTAL 260239 FOR OVERSIZED CASING OPTION DIMENSIONS.**

SDVQ C/W STRAIGHT SILENCERS

SDVQ C/W ROUND DISCHARGE COLLAR

SDVQ C/W R.H. WATER COIL

SDVQ C/W ELBOW SILENCERS

**TOP VIEWS**

SDVQ C/W LEFT ELBOW, SILENCER

SDVQ C/W RIGHT ELBOW, SILENCER

SDVQ C/W RIGHT ELBOW, SILENCER AND R.H. WATER COIL

**SIDE VIEWS**

SDVQ C/W ELBOW UP, SILENCER

SDVQ C/W ELBOW DOWN, SILENCER

**GENERAL NOTES:**

- FOR WATER REHEAT COIL ASSEMBLY
  - SECTION DETAILS AND DIMENSIONS
  - SEE SUBMITTALS 200911 AND 209202.

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

**ACCESSORIES**

FOR SINGLE DUCT TERMINAL UNITS SDVQ/SPVQ/SEVQ

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NOTES:

- INTERNAL INSULATION – FIBERGLASS 1" (25)THICK, MIN. 1.5# DENSITY, WHICH MEETS REQUIREMENTS OF NFPA 90A AND UL 181.
- ZINC COATED STEEL 22 GA. TERMINAL & 20 GA. HEATER, MECHANICALLY SEALED AND GASKETED, LEAK RESISTANT CONSTRUCTION.
- RECTANGULAR DISCHARGE OPENINGS HAVE SLIP & DRIVE CLEAT DUCT CONNECTIONS.
- CONTROL ASSEMBLY WILL BE SUPPLIED AS ILLUSTRATED ON RIGHT HAND SIDE UNLESS SPECIFIED OTHERWISE.
- DIGITAL CONTROLS SUPPLIED BY CONTROLS CONTRACTOR.
- FOR ACCESSORIES SEE SUBMITTAL DRAWINGS.
- SCR CONTROLS OVER 25 AMPS 3Ø USE 19"(483) CONTROL BOX.
- ASSEMBLY ETL CERTIFIED TO UL1995 & CSA236.
- SILENCER – MEDIUM PRESSURE STYLE, 22 GAUGE GALVANIZED CASING WITH PERFORATED LINER OVER FIBERGLASS ACOUSTIC MEDIA.

OPTIONS:

☐ CONTROLS ENCLOSURE
☐ GT – BRASS AIRFLOW SENSOR GAUGE TAPS

ELECTRIC REHEAT NOTES:

STANDARD COIL FEATURES:

- AUTOMATIC RESET THERMAL CUTOUT
- MANUAL RESET THERMAL CUTOUT
- LOW WATT DENSITY ELEMENTS, HIGH GRADE NICKEL-CHROME ALLOY
- AIR FLOW SWITCH
- HINGED ACCESS DOOR
- 24VAC/50VA CLASS 2 TRANSFORMER
- MAGNETIC CONTACTORS
- SINGLE POINT ELECTRICAL CONNECTION
- REFER TO SUBMITTED CONTROL DIAGRAMS FOR STANDARD CONTROL COMPONENTS TO BE SUPPLIED.

SEE CATALOGUE FOR DETAILED AIR FLOW RANGE AND HEATING CAPACITY.

OPTIONAL COIL FEATURES:

☐ CONTROL CIRCUIT FUSES
☐ DOOR INTERLOCK DISCONNECT SWITCH
☐ MERCURY CONTACTORS
☐ MAIN SUPPLY FUSES
☐ HEATER SECTION INSULATED (FF NOT AVAILABLE)
☐ SCR CONTROLS ☐ SCR-DAT CONTROLS
☐ 0 to 10 Vdc CONTROL SIGNAL
☐ 4 to 20 mA CONTROL SIGNAL
☐ 24 VAC PULSE CONTROL

SUPPLY VOLTAGE:

☐ 120/1Ø ☐ 480/3Ø (3 WIRE)
☐ 208/1Ø (3 WIRE) ☐ 600/3Ø (3 OR 4 WIRE)
☐ 208/3Ø (3 WIRE)
☐ 240/1Ø ☐ 277/1Ø
☐ 347/1Ø ☐ 480/1Ø

SILENCER LINERS:

☐ PL – POLYMER LINER
☐ FC – FIBERGLASS CLOTH

PROJECT:

SDVQ5000
INTEGRAL ELECTRIC REHEAT
SZ.24X16 VARIABLE VOLUME DIGITAL CONTROLS w/SILENCER

ENGINEER:

CUSTOMER:

SUBMITTAL DATE SPEC. SYMBOL:

2015/10/06

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STANDARD COIL FEATURES:
- AUTOMATIC RESET THERMAL CUTOUT
- MANUAL RESET THERMAL CUTOUT
- LOW WATT DENSITY ELEMENTS, HIGH GRADE NICKEL-CHROME ALLOY
- MAGNETIC CONTACTORS
- AIR FLOW SWITCH
- 24VAC/50VAC CLASS 2 TRANSFORMER
- HINGED ACCESS DOOR
- SINGLE POINT ELECTRICAL CONNECTION
- REFER TO SUBMITTED CONTROL DIAGRAMS FOR STANDARD CONTROL COMPONENTS TO BE SUPPLIED.

NOTES:
- INTERNAL INSULATION - FIBERGLASS 1"(25) THICK, MIN. 1.5 A
- DENSITY, WHICH MEETS REQUIREMENTS OF NFPA 90A AND UL181.
- ZINC COATED STEEL 22GA. TERMINAL & 20 GA. HEATER, MECHANICALLY SEALED AND GASKETED. LEAK RESISTANT CONSTRUCTION
- RECTANGULAR DISCHARGE OPENINGS HAVE SUP & DUCT CLEAR DUCT CONNECTIONS.
- CONTROL ASSEMBLY WILL BE SUPPLIED AS ILLUSTRATED ON RIGHT HAND SIDE UNLESS SPECIFIED OTHERWISE.
- DIGITAL CONTROLS SUPPLIED BY CONTROLS CONTRACTOR.
- SCR CONTROLS OVER 25 AMPS 3Ø USE 19"(483) CONTROL BOX.
- SILENCER - MEDIUM PRESSURE STYLE, 22 GAUGE GALVANIZED CASE WITH PERFORATED LINER OVER FIBERGLASS ACOUSTIC MEDIA.
- R.H. CONFIGURATION SHOWN

OPTIONS:
- CONTROLS ENCLOSURE
- RS - BOTTOM REMOVABLE SENSOR
- CT - BRASS AIRFLOW SENSOR GAUGE TAPS

SILENCER CONFIGURATIONS:
- EL8R - ELBOW RIGHT - SHIPPED ATTACHED
- EL8L - ELBOW LEFT - SHIPPED ATTACHED
- EL8D - ELBOW DOWN - SHIPPED LOOSE
- EL8U - ELBOW UP - SHIPPED LOOSE

SUPPLY VOLTAGE:
- 120v/1Ø
- 208v/1Ø (3 WIRE)
- 208v/3Ø (3 WIRE)
- 240v/1Ø
- 277v/1Ø
- 347v/1Ø
- 480v/1Ø
- 480v/3Ø (3 WIRE)
- 600v/3Ø (3 OR 4 WIRE)

TERMINAL LINERS:
- FF  FF1  FB
- FF50  CRW  FB1
- SM  PM  CRAF
- SM1  FM1  CRAF1
- WPM  AFPM  AFFM1

SILENCER LINERS:
- PL - POLYMER LINER
- FD - FIBERGLASS CLOTH

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE

SPEC. SYMBOL:

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STANDARD COIL FEATURES:

- Automatic Reset Thermal Cutout
- Manual Reset Thermal Cutout
- Low Watt Density Elements, High Grade Nickel-Chrome Alloy
- Magnetic Contactors
- Air Flow Switch
- 24VAC/50VAC Class 2 Transformer
- Hinged Access Door
- Single Point Electrical Connection
- Refer to Submitted Control Diagrams for Standard Control Components to be Supplied

SUPPLY VOLTAGE:

- 120/15
- 208/10 (3 Wire)
- 208/20 (3 Wire)
- 240/10
- 277/10
- 347/10
- 480/10
- 480/30 (3 Wire)
- 600/30 (3 or 4 Wire)

TERMINAL LINERS:

- FF
- FF1
- FB
- FF50
- CRW
- FU1
- SM
- PM
- CRF
- SMP1
- CP
- CRF1
- WFPM
- AFPM
- AFPM1

SILENCER LINERS:

- FL – Polymer Liner
- FC – Fiberglass Cloth

OPTIONAL COIL FEATURES:

- Control Circuit Fuses
- Door Interlock Disconnect Switch
- Mercury Contactors
- Main Supply Fuses
- Heater Section Insulated (FF Not Available)
- SCR Controls
- SCR/DM Controls
- 0 to 10 Vdc Control Signal
- 4 to 20 mA Control Signal
- 24 Vac Pulse Control

OPTIONS:

- Elbow Silencer (See Page 3)
- RS – Bottom Removable Sensor

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
STANDARD COIL FEATURES:

- AUTOMATIC RESET THERMAL CUTOUT
- MANUAL RESET THERMAL CUTOUT
- LOW WATT DENSITY ELEMENTS, HIGH GRADE NICKEL-CHROME ALLOY
- MAGNETIC CONTACTORS
- AIR FLOW SWITCH
- 24VAC/50VAC CLASS 2 TRANSFORMER
- HINGED ACCESS DOOR
- SINGLE POINT ELECTRICAL CONNECTION
- REFER TO SUBMITTED CONTROL DIAGRAMS FOR STANDARD CONTROL COMPONENTS TO BE SUPPLIED.

NOTES:

- INTERNAL INSULATION – FIBERGLASS 1/2" (25) THICK, MIN. 1.5°F DENSITY, WHICH MEETS REQUIREMENTS OF NFPA 90A AND UL181.
- ZINC COATED STEEL 22GA. TERMINAL & 20 GA. HEATER MECHANICALLY SEALED AND GASKETED, LEAK RESISTANT CONSTRUCTION.
- RECTANGULAR DISCHARGE OPENINGS HAVE SUP & DRIVE CLEAT DUCT CONNECTIONS.
- CONTROL ASSEMBLY WILL BE SUPPLIED AS ILLUSTRATED ON RIGHT HAND SIDE UNLESS SPECIFIED OTHERWISE.
- SCR CONTROLS OVER 25 AMPS 3PH USE 19"(483) CONTROL BOX.
- PRICE CONTROLS FACTORY MOUNTED.
- PRICE THERMOSTAT FIELD MOUNTED.
- PRICE THERMOSTAT FIELD MOUNTED.
- R.H. CONFIGURATION SHOWN.
- SILENCER – MEDIUM PRESSURE STYLE, 22 GAUGE GALVANIZED CASING WITH PERFORATED LINER OVER FIBERGLASS ACOUSTIC MEDIA.

OPTIONAL COIL FEATURES:

- CONTROL CIRCUIT FUSES
- DOOR INTERLOCK DISCONNECT SWITCH
- MERCURY CONTACTORS
- MAIN SUPPLY FUSES
- HEATER SECTION INSULATED (FF NOT AVAILABLE)
- SCR CONTROLS
- SCR-SAT CONTROLS
- 0 to 10 Vdc CONTROL SIGNAL
- 4 to 20 mA CONTROL SIGNAL
- 24 VAC PULSE CONTROL

SUPPLY VOLTAGE:

- 120/1Ph
- 208/1Ph (3 Wire)
- 208/3Ph (3 Wire)
- 240/1Ph
- 277/1Ph
- 347/1Ph
- 480/1Ph
- 480/3Ph (3 Wire)
- 600/3Ph (3 or 4 Wire)

TERMINAL LINERS:

- FF
- FF1
- FB
- FF50
- CRW
- FB1
- SM
- PM
- CRAG
- SM1
- PM1
- CRAG1
- WPPM
- AFPM
- AFPM

SILENCER LINERS:

- PL – POLYMER LINER
- FC – FIBERGLASS CLOTH

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC, SYMBOL:

2015/10/06 246394

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SDVQ8000
INTEGRAL ELECTRIC REHEAT SIZE 4 TO 10 ASSEMBLY PRICE CONTROLS w/ELBOW SILENCER
NOTES:

- INTERNAL INSULATION - FIBERGLASS 1" (25mm), MIN. 1.5# DENSITY, WHICH MEETS REQUIREMENTS OF NFPA 90A AND UL181.
- 22 GA ZINC COATED STEEL HOUSING, MECHANICALLY SEALED AND GASKETED, LEAK RESISTANT CONSTRUCTION.
- RECTANGULAR DISCHARGE OPENINGS HAVE SLIP & DRIVE CLEAT DUCT CONNECTIONS.
- CONTROL ASSEMBLY WILL BE SUPPLIED AS ILLUSTRATED ON RIGHT HAND SIDE UNLESS SPECIFIED OTHERWISE.
- DIGITAL CONTROLS SUPPLIED BY CONTROLS CONTRACTOR.
- SILENCER - MEDIUM PRESSURE STYLE, 22 GAUGE GALVANIZED CASING WITH PERFORATED LINER OVER FIBERGLASS ACOUSTIC MEDIA.
- MULTI-POINT SENSOR SUPPLIED BY PRICE.
- HOT WATER COILS HAVE COPPER TUBES AND ALUMINUM FINNS WITH O.D. SWEAT CONNECTIONS.
- METHOD OF VENTING REPEAT COIL IS TO BE PROVIDED BY INSTALLING CONTRACTOR.

OPTIONS:
- COILS PERFORMANCE RATED AND CERTIFIED IN ACCORDANCE WITH THE CURRENT EDITION OF ASHRAE STANDARD 410.
- HAND OF WATER COIL CONNECTIONS IS DETERMINED WHEN VIEWED FROM AIR INLET SIDE WITH ACCESS DOOR ON BOTTOM. RIGHT HAND COIL CONNECTION ILLUSTRATED ABOVE.
- STANDARD COILS SUPPLIED WITH 10 FINS PER INCH.
- CONTROLS ENCLOSURE
- DISCONNECT SWITCH
- HANGER BRACKETS (SHIPPED LOOSE)
- TP - TOP & BOTTOM ACCESS DOORS
- CT - BRASS AIRFLOW SENSOR GAUGE TAPS
- TERMINAL LINERS:
  - FF
  - FF1
  - F5
  - S5
  - SM
  - P5
  - MF5
- CRAFT LINERS:
  - F50
  - CRWF
  - FS51
  - SM51
  - PM1
- APPM
- APPM1
- WP5

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED, IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: 2013/02/20

SPEC. SYMBOL: SDVQ50000

255648

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**NOTE:**
- INTERNAL INSULATION FIBERGLASS 1" (25mm)THICK 1.5# DENSITY WHICH MEETS REQUIREMENTS OF NFPA 90A AND UL161.
- 220A ZINC-COATED STEEL HOUSING MECHANICALLY SEALED AND GASKETED, LEAK RESISTANT CONSTRUCTION.
- RECTANGULAR DISCHARGE OPENING WITH SLIP AND DRIVE CLEAR DUCT CONNECTION.
- DIGITAL CONTROLS BY CONTROL CONTRACTOR.
- SILENCERS - MEDIUM PRESSURE STYLE, 22 GAUGE GALVANIZED CASING WITH PERFORATED LINER OVER FIBERGLASS ACOUSTIC MEDIA.
- MULTI-POINT SENSOR SUPPLIED BY PRICE.
- R.H. CONFIGURATION SHOWN.
- HOT WATER COILS HAVE COPPER TUBES AND ALUMINUM RINGS WITH O.D. SHEET CONNECTIONS.
- METHOD OF VENTING REHEAT COIL IS TO BE PROVIDED BY INSTALLING CONTRACTOR.
- COILS PERFORMANCE RATED AND CERTIFIED IN ACCORDANCE WITH THE CURRENT EDITION OF ARI STANDARD 410.
- HAND OF WATER COIL CONNECTIONS IS DETERMINED WHEN VIEWED FROM AIR INLET SIDE WITH ACCESS DOOR ON BOTTOM.
- RIGHT HAND COIL CONNECTION ILLUSTRATED ABOVE.
- STANDARD COILS SUPPLIED WITH 10 FINS PER INCH.

**OPTIONS:**
- HANGER BRACKETS, SHIPPED LOOSE
- BS - REMOVABLE BOTTOM SENSOR
- TB - TOP & BOTTOM ACCESS DOORS
- OVERSIZED CASING - REFER TO SUBMITTAL 260239
- GT - BRASS AIRFLOW SENSOR GAUGE TAPS

**TERMINAL LINERS:**
- FF
- FF1
- FB
- SM
- PM
- CRAFT
- FF50
- CFF1
- FB1
- SM1
- PM1
- CRAFT1
- WPFW
- AFPM
- AFPM1

**SILENCER LINERS:**
- PL - POLYMER LINER
- FC - FIBERGLASS CLOTH

**SILENCER CONFIGURATIONS:**
- ELBR - ELBOW RIGHT - SHIPPED ATTACHED
- ELBSL - ELBOW LEFT - SHIPPED ATTACHED
- ELBD - ELBOW DOWN - SHIPPED LOOSE
- ELBU - ELBOW UP - SHIPPED LOOSE

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

**SDVQ5000**
SINGLE DUCT TERMINAL
DIGITAL CONTROL
w/ELBOW SILENCER &
WATER COIL w/ACCESS

255648

2013/02/20

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**NOTES:**
- 22GA. ZINC COATED STEEL HOUSING, MECHANICALLY SEALED, LEAK RESISTANT CONSTRUCTION.
- TERMINAL INSULATION FIBERCLASS 3/4" (19) THICK 1.5# DENSITY WHICH MEETS REQUIREMENTS OF NFPA 90A AND UL181 COVERED WITH SOLID METAL LINER (DUAL WALL).
- PACKLESS SILENCER – 22 GAUGE GALVANIZED CASING, 22GA PERFORATED LINER, NO ACOUSTIC MEDIA.
- RECTANGULAR DISCHARGE OPENING WITH SLIP AND DRIVE CLEAT DUCT CONNECTION.
- DIGITAL CONTROLS BY CONTROL CONTRACTOR.
- MULTI-POINT SENSOR SUPPLIED BY PRICE.
- UNIT SHIPPED AS COMPLETE ASSEMBLY

**OPTIONS:**
- CONTROLS ENCLOSURE
- DISCONNECT SWITCH
- HANGER BRACKETS (SHIPPED LOOSE)
- Oversized casing – Refer to Submittal 260239
- RS – Bottom removable sensor
- External Foil Faced Fiberglass Insulation over Silencier section
- GT – Brass Airflow Sensor Gauge Taps

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**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

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### Imperial Units (inches)

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### S.I. Units (mm)

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### Notes:
- 22GA zinc coated steel housing, mechanically sealed, leak resistant construction.
- Terminal insulation fiberglass 3/4" (19) thick 1.5# density which meets requirements of NFPA 90A and UL181 covered with solid metal liner (dual wall).
- Packless silencer – 22 gauge galvanized casing, 22GA perforated liner, no acoustic media.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Control assembly will be supplied as illustrated on right hand side unless specified otherwise.
- Line voltage must not exceed 277Vac.
- Multi-point sensor supplied by Price.
- Price controls assembly factory mounted.
- Price Thermostat Field mounted.
- Unit shipped as complete assembly.

### Options:
- Disconnect Switch
- Hanger Brackets (shipped loose)
- RS – Bottom removable sensor
- External foil faced fiberglass insulation over silencer section
- Oversized casing – Refer to Submittal 260239

### Terminal Liners:
- SM1

---

**All metric dimensions ( ) are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.**

**Project:**

**Engineer:**

**Customer:**

**Submittal Date:**

**Spec. Symbol:**

**SDVQ8000** Single duct terminal variable volume price controls w/packless silencer

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MULTI-POINT SENSOR
C/W GAUGE TAPS

2" (51)
SZ4.5 ADAPTER

A-1 8" (3)

MODULATING DAMPER
W/PNEUMATIC ACTUATOR

OPTIONAL EXTERNAL FOIL FACED FIBERGLASS INSULATION OVER SILENCER SECTION

BOTTOM VIEW
SLIP & DRIVE CONNECTION

NOTES:
• 22GA. ZINC COATED STEEL HOUSING. MECHANICALLY SEALED, LEAK RESISTANT CONSTRUCTION.
• TERMINAL INSULATION FIBERGLASS 3/4" (19) THICK 1.5# DENSITY WHICH MEETS REQUIREMENTS OF NFPA 90A AND UL181 COVERED WITH SOLID METAL LINER (DUAL WALL).
• PACKLESS SILENCER – 22 GAUGE GALVANIZED CASING, 22GA PERFORATED LINER, NO ACOUSTIC MEDIA.
• RECTANGULAR DISCHARGE OPENING WITH SLIP AND DRIVE CLEAT DUCT CONNECTION.
• PRESSURE DEPENDENT OPERATION.
• MULTI-POINT SENSOR SUPPLIED BY PRICE.
• PNEUMATIC ACTUATOR SUPPLIED & MOUNTED BY PRICE ON RIGHT HAND SIDE UNLESS SPECIFIED OTHERWISE.
• CLEAN, DRY, 20 PSI (138 KPa) CONTROL AIR REQUIRED.
• MINIMUM AIR VOLUME IS ZERO (SHUT-OFF).
• SPECIFY THE ACTUATOR SPRING RANGE TO ACCOMODATE THE THERMOSTAT CONTROL RANGE AND TO SEQUENCE WITH ANY CONTROL COMPONENTS AS SUPPLIED BY OTHERS.
• UNIT SHIPPED AS COMPLETE ASSEMBLY

OPTIONS:
- OTHER PNEUMATIC ACTUATORS SUPPLIED & MOUNTED BY PRICE.
- PNEUMATIC ACTUATOR SUPPLIED BY CONTROL CONTRACTOR & MOUNTED BY PRICE.
- HANGER BRACKETS (SHIPPED LOOSE)
- RS – BOTTOM REMOVABLE SENSOR
- EXTERNAL FOIL FACED FIBERGLASS INSULATION OVER SILENCER SECTION
- OVERSIZED CASING – REFER TO SUBMITTAL 260239

TERMINAL LINERS:
- SM1

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:
SPEC. SYMBOL:

SPVQ6000
SINGLE DUCT TERMINAL VARIABLE VOLUME PNEUMATIC CONTROL W/PACKLESS SILENCER

258805
2011/08/31

REV C

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## Submittal Sheet

### Imperial Units

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<th>Unit Size</th>
<th>Max CFM</th>
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### SI Units

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### Notes
- 22GA. ZINC COATED STEEL HOUSING, MECHANICALLY SEALLED, LEAK RESISTANT CONSTRUCTION.
- TERMINAL INSULATION FIBERGLASS 3/4" (19) THICK 1.5# DENSITY WHICH MEETS REQUIREMENTS OF NFPA 90A AND UL181 COVERED WITH SOLID METAL LINER (DUAL WALL).
- PACKLESS SILENCER – 22 GAUGE GALVANIZED CASING, 22GA PERFORATED LINER, NO ACOUSTIC MEDIA.
- RECTANGULAR DISCHARGE OPENING WITH SLIP AND DRIVE CLEAT DUCT CONNECTION.
- CONTROL ASSEMBLY WILL BE SUPPLIED AS ILLUSTRATED ON RIGHT HAND SIDE UNLESS SPECIFIED OTHERWISE.
- GAUGE TAPS ARE STANDARD.
- PNEUMATIC ACTUATOR SUPPLIED & MOUNTED BY PRICE.
- CLEAN, DRY, 20 PSI (138 kPa) CONTROL AIR REQUIRED.
- PRESSURE INDEPENDENT
- UNIT SHIPPED AS COMPLETE ASSEMBLY.

### Options:
- OTHER PNEUMATIC ACTUATORS SUPPLIED & MOUNTED BY PRICE.
- PNEUMATIC ACTUATOR SUPPLIED BY CONTROL CONTRACTOR & MOUNTED BY PRICE.
- PROTECTIVE CONTROLLER COVER.
- HANGER BRACKETS (SHIPPED LOOSE)
- RS - BOTTOM REMOVABLE SENSOR
- EXTERNAL FOIL FACED FIBERGLASS INSULATION OVER SILENCER SECTION
- OVERSIZED CASING – REFER TO SUBMITTAL 260239

### Terminal Liners:
- SW1

---

**Project:**

**Engineer:**

**Customer:**

**Submittal Date:**

**Spec. Symbol:**

**SPVQ8000**

SINGLE DUCT TERMINAL

VARIABLE VOLUME

PNEUMATIC CONTROL

w/PACKLESS SILENCER

258806

2011/08/31

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REV C
### Submittal Sheet

**SDVQ5000**

**Single Duct Terminal**

**Variable Volume, Digital Control**

**Packless Silencer & Water Coil w/Access**

---

**Specifications**

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<th>IMPERIAL UNITS</th>
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**S.I. UNITS mm**

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**Terminal Notes:**
- 22GA. ZINC COATED STEEL HOUSING. MECHANICALLY SEALED, LEAK RESISTANT CONSTRUCTION.
- TERMINAL INSULATION FIBERGLASS 3/4" (19) THICK 1.5# DENSITY WHICH MEETS REQUIREMENTS OF NFPA 90A AND UL181 COVERED WITH SOLID METAL LINER (DUAL WALL).
- PACKLESS SILENCER – 22 GAUGE GALVANIZED CASING, 22GA PERFORATED LINER, NO ACOUSTIC MEDIA.
- RECTANGULAR DISCHARGE OPENING WITH SLP AND DRIVE CLEAT DUCT CONNECTION.
- DIGITAL CONTROLS BY CONTRACTIONS.
- UNIT SHIPS AS COMPLETE ASSEMBLY.

**Water Coil Notes:**
1. FABRICATED FROM 22 GA. GALVANIZED STEEL MECHANICALLY SEALED, LEAK RESISTANT CONSTRUCTION.
2. HOT WATER COILS HAVE COPPER TUBES AND ALUMINUM FINS WITH O.D. SWEAT CONNECTIONS.
3. REFER TO SUBMITTED TERMINAL UNIT SCHEDULE FOR AIR VOLUMES AND REHEAT COIL CAPACITIES.
4. METHOD OF VENTING REHEAT COIL IS TO BE PROVIDED BY INSTALLING CONTRACTOR.
5. HAND OF WATER COIL CONNECTIONS IS DETERMINED WHEN VIEWED FROM AIR INLET SIDE WITH ACCESS DOOR ON BOTTOM.
6. RIGHT HAND COIL CONNECTION SHOWN.
7. PERFORMANCE RATED AND CERTIFIED IN ACCORDANCE WITH THE CURRENT EDITION OF ARI STANDARD 410.
8. STANDARD COILS SUPPLIED WITH 10 FINS PER INCH.
9. IT IS NOT RECOMMENDED TO REVERSE 3 & 4 ROW COILS. INDICATE HANDING WHILE ORDERING.

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**Project Information**

**Engineer:**

**Customer:**

**Submittal Date:** 2011/08/31

**Spec. Symbol:**

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**Notes:**

- ALL METRIC DIMENSIONS (.) ARE SOFT CONVERSION. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
SUBMITTAL SHEET

STANDARD COIL FEATURES:
- Automatic reset thermal cutout
- Manual reset thermal cutout
- Low watt density elements, high grade nickel-chrome alloy
- Magnetic contactors
- Air flow switch
- 24VAC/50VAC Class 2 transformer
- Hinged access door
- Single point electrical connection
- Refer to submitted control diagrams for standard control components to be supplied.

UNIT SIZE | OUTLET | INLET | CONTROL BOX
---|---|---|---
4 | 4 (102) | 12 (305) |
5 | 5 (127) | 12 (305) |
6 | 6 (152) | 12 (305) |
7 | 7 (178) | 12 (305) |
8 | 8 (203) | 12 (305) |
9 | 9 (229) | 12 (305) |
10 | 10 (254) | 12 (305) |
12 | 12 (305) | 17 (432) |
14 | 14 (356) | 17 (432) |
16 | 16 (408) | 17 (432) |

NOTES:
- Zinc coated steel 22GA, terminal & 20 GA, heater, mechanically sealed, leak resistant construction.
- Terminal insulated fiberglass 3/4" (19) thick 1.5# density which meets requirements of NFPA 80A and UL181 covered with solid metal liner (dual wall).
- Packless silencer - 22 gauge galvanized casing, 22GA perforated liner, no acoustic media.
- Rectangular discharge openings have slip & drive cleat duct connections.
- Control assembly will be supplied as illustrated on right hand side unless specified otherwise.
- Digital controls supplied by controls contractor.
- SCR Controls over 25 Amps 3Ω Use 19"(483) control box.
- Assembly ETL certified to UL1995 & CSA236.
- Unit shipped as complete assembly.

SUPPLY VOLTAGE:
- 120/10
- 208/10 (3 WIRE)
- 208/3Ω (3 WIRE)
- 240/10
- 277/10
- 347/10
- 480/10
- 480/3Ω (3 WIRE)
- 600/3Ω (3 OR 4 WIRE)

OPTIONS:
- Controls enclosure
- Disconnect switch
- RS - Bottom removable sensor
- Hanger brackets (shipped loose)
- External foil faced fiberglass insulation over silencer section
- Gt - Brass airflow sensor gauge taps
- Terminal liners:
  - SM1

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL:

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STANDARD COIL FEATURES:
- Automatic reset thermal cutout
- Manual reset thermal cutout
- Low watt density elements, high grade nickel-chrome alloy
- Magnetic contactors
- Air flow switch
- 24Vac/50Vac Class 2 transformer
- Hinged access door
- Single point electrical connection
- Refer to submitted control diagrams for standard control components to be supplied.

SUPPLY VOLTAGE:
- 120/10
- 208/10 (3 wire)
- 208/3 (3 wire)
- 240/10
- 277/10
- 347/10
- 480/10
- 480/3 (3 wire)
- 600/3 (3 or 4 wire)

OPTIONS:
- External foil faced fiberglass insulation over silencer section
- RS - Bottom removable sensor
- Hanger brackets (shipped loose)

NOTES:
- Terminal insulation fiberglass 3/4" (19) thick 1.5# density which meets requirements of NFPA 90A and UL181 covered with solid metal liner (dual wall).
- Packless silencer - 22 gauge galvanized casing, 22ga perforated liner, no acoustic media.
- Rectangular discharge openings have slip & drive cleat duct connections.
- Control assembly will be supplied as illustrated on right hand side unless specified otherwise.
- SCR controls over 25 Amps &# must use 19"(483) control box.
- Price controls factory mounted.
- Price thermostat field mounted.
- Assembly ETL certified to UL1995 & CSA236.
- Unit shipped as complete assembly.

OPTIONAL COIL FEATURES:
- Control circuit fuses
- Door interlock disconnect switch
- Mercury contactors
- Main supply fuses
- Heater section insulated (FF not available)
- SCR controls
- SCR-DAT controls
  - 0 to 10 Vdc control signal
  - 4 to 20 ma control signal
  - 24 Vac pulse control

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL:

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SUBMITTAL SHEET

STANDARD COIL FEATURES:
- Automatic Reset Thermal Cutout
- Manual Reset Thermal Cutout
- Low Watt Density Elements, High Grade Nickel-Chrome Alloy
- Pneumatic Electric Switch
- Air Flow Switch
- Hinged Access Door
- Single Point Electrical Connection
- Refer to Submitted Control Diagrams for Standard Control Components to be Supplied.

OPTIONAL COIL FEATURES:
- Control Circuit Fuses
- Door Interlock Disconnect Switch
- SCR Controls
- SCR-DAT Controls

NOTE: For SCR option with Pneumatic Control Signal Contact Price

0 to 10 Vdc Control Signal
4 to 20 mA Control Signal
24 VAC Pulse Control

SUPPLY VOLTAGE:
- 120/10
- 208/10 (3 Wire)
- 208/3 (3 Wire)
- 240/10
- 277/10 480/3 (3 Wire)
- 347/10 600/3 (3 or 4 Wire)
- 480/10

OPTIONS:
- Protective Control Shroud
- External Foil Faced Fiberglass Insulation Over Silencer Section
- RS - Bottom Removable Sensor

TERMINAL LINERS:
- SM1

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL:
2011/08/31 258812

SPVQ8000
INTEGRAL ELECTRIC REHEAT SIZE 4 TO 16 ASSEMBLY PNEUMATIC CONTROLS w/PACKLESS SILENCER
### Table: Ordering Code and Size Specifications

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<th>Inlet Size</th>
<th>Max L/S</th>
<th>S.I. Units (mm)</th>
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### Diagram:

- **Straight Silencer**
- **Elbow Silencer**
- **Packless Silencer**

All metric dimensions (mm) are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.

### Project Information:

**Project:**

**Engineer:**

**Customer:**

**Submittal Date:** 2012/03/06

**Spec. Symbol:** 260239

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### ROUND DISCHARGE COLLAR (RDC)

![Diagram of RDC Collar]

**Table: S.I. Units vs. Imperial Units**

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*All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.*

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

2012/03/07

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### Ordering Code Table

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</table>

### General Notes

- For water retrofit coil assembly section details and dimensions see submittals 260234.

### Project

- All metric dimensions (.) are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.

### Engineer

- B6

### Customer

- Oversized Casing SDVG W/ Water Coils

### Submittal Date

- 260239

### Spec. Symbol

- 2012/03/07

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GENERAL NOTES:
* FOR WATER HEAT COIL ASSEMBLY
  SECTION DETAILS AND DIMENSIONS
  SEE SUBMITTALS 260234.

□ STRAIGHT SILENCER  □ ELBOW SILENCER  □ PACKLESS SILENCER

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL: 2012/03/07

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