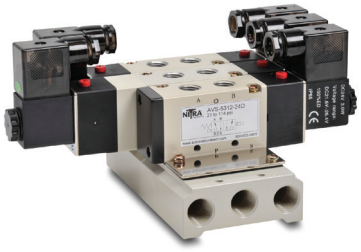
# Pneumatic Directional Control Solenoid Valves – AVS-5 Series

*AVS-5211*

NITRA™ pneumatic AVS-5 series directional control solenoid valves are body ported 5-port (4-way) spool valves. Available port sizes are 1/8", 1/4", 3/8" or 1/2" NPT with flow coefficients (Cv) from 0.50 to 2.79. Models are available with single solenoid, spring return or double solenoid 2-position operation. In addition, double solenoid models are available with 3-position, center closed or center exhaust operation. Solenoid coils are available in either 24VDC or 120VAC control voltages. The AVS-5 series can be used in individual valve applications or multiple valves can be field assembled on AM-5 series manifolds simplifying piping connections. AM-5 series manifolds are available in 2, 4, 6 or 8 stations. The DIN style wiring connector includes LED indication of the solenoid coil status.



*AVS-5221*

*Stacked solenoids shown mounted on optional manifold*

## Features

- Body ported, 5-port (4-way) spool valves
- 1/8", 1/4", 3/8" or 1/2" NPT ports
- 2-position, single solenoid normally closed, spring return; 2-position, double solenoid, energize open/energize closed; 3-position, double solenoid center closed or center exhaust
- 24VDC or 120VAC solenoid coils
- DIN style wiring connector with LED indication
- Single valve or multiple manifold mounted valve applications
- Locking manual operator
- 2 year warranty

*See www.AutomationDirect.com for a wide variety of fitting and cable options*

CE

## AVS-5 Series Specifications

| Model | AVS-5111-24D | AVS-5111-120A | AVS-5121-24D | AVS-5121-120A | AVS-513C1-24D | AVS-513C1-120A | AVS-513E1-24D | AVS-513E1-120A | AVS-5211-24D | AVS-5211-120A | AVS-5221-24D | AVS-5221-120A | AVS-5212-24D | AVS-5212-120A | AVS-5222-24D | AVS-5222-120A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Price | $34.50 | $34.50 | $56.00 | $56.00 | $78.00 | $78.00 | $78.00 | $78.00 | $35.00 | $35.50 | $57.00 | $58.00 | $35.00 | $35.50 | $57.00 | $58.00 |
| Weight (lb) | 0.3 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.8 | 0.8 | 0.5 | 0.5 | 0.8 | 0.8 |
| Valve Type | 5 port 2 position | | | | 5 port 3 position | | | | 5 port 2 position | | | | | | | |
| Acting | Internally Piloted | | | | | | | | | | | | | | | |
| Diagram | A | | B | | C | | D | | A | | B | | A | | B | |
| Port Size | In/Out/Exhaust=1/8" | | | | In/Out/Exhaust=1/8" | | | | In/Out/Exhaust=1/8" | | | | In/Out=1/4", Exhaust=1/8" | | | |
| Orifice Size | 12mm² (Cv=0.67) | | | | 9mm² (Cv=0.50) | | | | 14mm² (Cv=0.78) | | | | 16mm² (Cv=0.89) | | | |
| Fluid | Air (to be filtered by 40µ filter element) | | | | | | | | | | | | | | | |
| Pressure | **Working:** 20~115 psi, (0.15~0.8 MPa), (1.5~8.0 bar); **Proof:** 215 psi, (1.48 MPa), (14.8 bar) | | | | | | | | | | | | | | | |
| Voltage (VAC @ 50/60 Hz) | 24VDC single solenoid | 120VAC single solenoid | 24VDC double solenoid | 120VAC double solenoid | 24VDC center closed double solenoid | 120VAC center closed double solenoid | 24VDC center exhaust double solenoid | 120VAC center exhaust double solenoid | 24VDC single solenoid | 120VAC single solenoid | 24VDC double solenoid | 120VAC double solenoid | 24VDC single solenoid | 120VAC single solenoid | 24VDC double solenoid | 120VAC double solenoid |
| Power Consumption | DC: 2.5W \| AC: 3.5 VA; continuous duty (100% ED) | | | | | | | | DC: 3.0W \| AC: 4.5 VA; continuous duty (100% ED) | | | | | | | |
| Max Freqency | 5 cycles/sec | | | | 3 cycles/sec | | | | 5 cycles/sec | | | | | | | |
| Operating Life | 50,000,000 cycles | | | | | | | | | | | | | | | |
| Insulation | B class | | | | | | | | | | | | | | | |
| Min Response | 0.05 sec | | | | | | | | | | | | | | | |
| Temperature | -5~60°C (23~140°F) | | | | | | | | | | | | | | | |
| Lubrication | Not Required | | | | | | | | | | | | | | | |
| Protection | IP65 (DIN40050) | | | | | | | | | | | | | | | |
| Connection | 9.4 mm DIN Terminal | | | | | | | | 11mm DIN Terminal | | | | | | | |
| Body | Aluminum Alloy | | | | | | | | | | | | | | | |
| Agency Approvals | Solenoid CE marked; RoHS | | | | | | | | | | | | | | | |

NITRA PNEUMATICS

# Pneumatic AVS Directional Control Solenoid Valves – AVS-5 Series

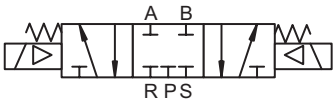
*Diagram "A"*

*2-Pos, Spring Return*

*Diagram "B"*

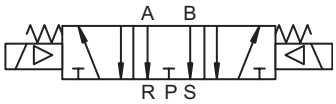
*2-Pos, Double Solenoid*

*Diagram "C"*




*3-Pos, Closed Center*

*Diagram "D"*




*3-Pos, Exhaust Center*

## AVS-5 Series Specifications

| *Model* | *AVS-5312-24D* | *AVS-5312-120A* | *AVS-5322-24D* | *AVS-5322-120A* | *AVS-5313-24D* | *AVS-5313-120A* | *AVS-5323-24D* | *AVS-5323-120A* | *AVS-523C1-24D* | *AVS-523C1-120A* | *AVS-523E1-24D* | *AVS-523E1-120A* | *AVS-523C2-24D* | *AVS-523C2-120A* | *AVS-523E2-24D* | *AVS-523E2-120A* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Price* | $48.00 | $48.00 | $70.00 | $71.00 | $48.00 | $48.00 | $70.00 | $71.00 | $94.00 | $94.00 | $94.00 | $94.00 | $94.00 | $94.00 | $94.00 | $94.00 |
| *Weight (lb)* | 0.8 | 0.8 | 1.0 | 1.0 | 0.7 | 0.7 | 1.0 | 1.0 | 0.9 | 0.8 | 0.9 | 0.9 | 0.9 | 0.8 | 0.9 | 0.8 |
| *Valve Type* | 5 port 2 position | | | | | | | | 5 port 3 position | | | | | | | |
| *Acting* | Internally Piloted | | | | | | | | | | | | | | | |
| *Diagram* | A | | B | | A | | B | | C | | D | | C | | D | |
| *Port Size* | In/Out/Exhaust=1/4" | | | | In/Out=3/8", Exhaust=1/4" | | | | In/Out/Exhaust=1/8" | | | | In/Out=1/4", Exhaust=1/8" | | | |
| *Orifice Size* | 25mm² (Cv=1.4) | | | | 30mm² (Cv=1.68) | | | | 12mm² (Cv=0.67) | | | | | | | |
| *Fluid* | Air (to be filtered by 40µ filter element) | | | | | | | | | | | | | | | |
| *Pressure* | **Working:** 20~115 psi, (0.15~0.8 MPa), (1.5~8.0 bar); **Proof:** 215 psi, (1.48 MPa), (14.8 bar) | | | | | | | | | | | | | | | |
| *Voltage (VAC @ 50/60 Hz)* | 24VDC single solenoid | 120VAC single solenoid | 24VDC double solenoid | 120VAC double solenoid | 24VDC single solenoid | 120VAC single solenoid | 24VDC double solenoid | 120VAC double solenoid | 24VDC center closed double solenoid | 120VAC center closed double solenoid | 24VDC center exhaust double solenoid | 120VAC center exhaust double solenoid | 24VDC center closed double solenoid | 120VAC center closed double solenoid | 24VDC center exhaust double solenoid | 120VAC center exhaust double solenoid |
| *Power Consumption* | DC: 3.0W \| AC: 4.5 VA; continuous duty (100% ED) | | | | | | | | | | | | | | | |
| *Max Frequency* | 4 cycles/sec | | | | | | | | 3 cycles/sec | | | | | | | |
| *Operating Life* | 50,000,000 cycles | | | | | | | | | | | | | | | |
| *Insulation* | B class | | | | | | | | | | | | | | | |
| *Min Response* | 0.05 sec | | | | | | | | | | | | | | | |
| *Temperature* | -5~60°C (23~140°F) | | | | | | | | | | | | | | | |
| *Lubrication* | Not Required | | | | | | | | | | | | | | | |
| *Protection* | IP65 (DIN40050) | | | | | | | | | | | | | | | |
| *Connection* | 11mm DIN Terminal | | | | | | | | | | | | | | | |
| *Body* | Aluminum Alloy | | | | | | | | | | | | | | | |
| *Agency Approvals* | Solenoid CE marked; RoHS | | | | | | | | | | | | | | | |

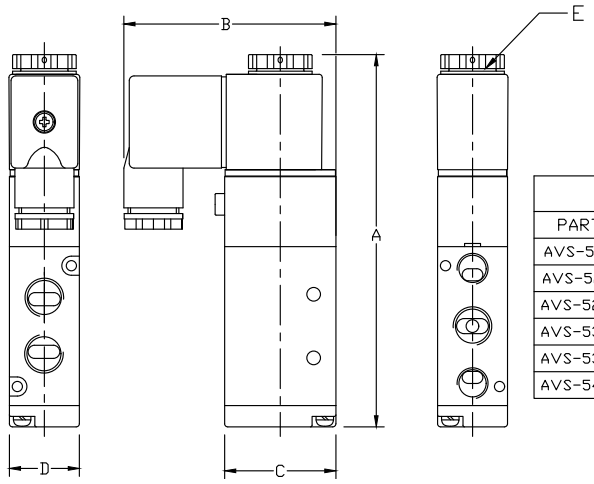
# Pneumatic AVS Directional Control Solenoid Valves – AVS-5 Series

| AVS-5 Series Specifications | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Model** | AVS-533C2-24D | AVS-533C2-120A | AVS-533E2-24D | AVS-533E2-120A | AVS-533C3-24D | AVS-533C3-120A | AVS-533E3-24D | AVS-533E3-120A | AVS-5414-24D | AVS-5414-120A | AVS-5424-24D | AVS-5424-120A | AVS-543C4-24D | AVS-543C4-120A | AVS-543E4-24D | AVS-543E4-120A |
| **Price** | $132.00 | $132.00 | $132.00 | $132.00 | $132.00 | $132.00 | $132.00 | $132.00 | $66.00 | $76.00 | $98.00 | $98.00 | $135.00 | $135.00 | $135.00 | $135.00 |
| **Weight (lb)** | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.3 | 1.3 | 1.5 | 1.5 | 1.7 | 1.7 | 1.7 | 1.7 |
| **Valve Type** | 5 port 3 position | | | | | | | | 5 port 2 position | | | | 5 port 3 position | | | |
| **Acting** | Internally Piloted | | | | | | | | | | | | | | | |
| **Diagram** | C | | D | | C | | D | | A | | B | | C | | D | |
| **Port Size** | In/Out/Exhaust=1/4” | | | | In/Out=3/8”, Exhaust=1/4” | | | | In/Out/Exhaust=1/2” | | | | | | | |
| **Orifice Size** | 18mm² (Cv=1.0) | | | | | | | | 50mm² (Cv=2.79) | | | | 30mm² (Cv=1.68) | | | |
| **Fluid** | Air (to be filtered by 40µ filter element) | | | | | | | | | | | | | | | |
| **Pressure** | **Working:** 20~115 psi, (0.15~0.8 MPa), (1.5~8.0 bar); **Proof:** 215 psi, (1.48 MPa), (14.8 bar) | | | | | | | | | | | | | | | |
| **Voltage (VAC @ 50/60 Hz)** | 24VDC center closed double solenoid | 120VAC center closed double solenoid | 24VDC center exhaust double solenoid | 120VAC center exhaust double solenoid | 24VDC center closed double solenoid | 120VAC center closed double solenoid | 24VDC center exhaust double solenoid | 120VAC center exhaust double solenoid | 24VDC single solenoid | 120VAC single solenoid | 24VDC double solenoid | 120VAC double solenoid | 24VDC center closed double solenoid | 120VAC center closed double solenoid | 24VDC center exhaust double solenoid | 120VAC center exhaust double solenoid |
| **Power Consumption** | DC: 3.0W \| AC: 4.5 VA; continuous duty (100% ED) | | | | | | | | | | | | | | | |
| **Max Frequency** | 3 cycles/sec | | | | | | | | | | | | | | | |
| **Operating Life** | 50,000,000 cycles | | | | | | | | | | | | | | | |
| **Insulation** | B class | | | | | | | | | | | | | | | |
| **Min Response** | 0.05 sec | | | | | | | | | | | | | | | |
| **Temperature** | -5~60°C (23~140°F) | | | | | | | | | | | | | | | |
| **Lubrication** | Not Required | | | | | | | | | | | | | | | |
| **Protection** | IP65 (DIN40050) | | | | | | | | | | | | | | | |
| **Connection** | 11mm DIN Terminal | | | | | | | | | | | | | | | |
| **Body** | Aluminum Alloy | | | | | | | | | | | | | | | |
| **Agency Approvals** | Solenoid CE marked; RoHS | | | | | | | | | | | | | | | |

## Dimensions

***mm [inches]***

***AVS-5111, AVS-5211, AVS-5212, AVS-5312, AVS-5313, AVS-5414***




| DIMENSION TABLE | | | | | |
|---|---|---|---|---|---|
| PART NO. | A | B | C | D | E |
| AVS-5111-XXX | 99.4 [3.91] | 55.0 [2.17] | 27.0 [1.06] | 18.0 [0.71] | M7 - 0.5 |
| AVS-5211-XXX | 117.1 [4.61] | 66.7 [2.63] | 35.0 [1.38] | 22.0 [0.87] | M8 - 0.75 |
| AVS-5212-XXX | 117.1 [4.61] | 66.7 [2.63] | 35.0 [1.38] | 22.0 [0.87] | M8 - 0.75 |
| AVS-5312-XXX | 134.9 [5.31] | 69.2 [2.72] | 40.0 [1.57] | 27.0 [1.06] | M8 - 0.75 |
| AVS-5313-XXX | 134.9 [5.31] | 69.2 [2.72] | 40.0 [1.57] | 27.0 [1.06] | M8 - 0.75 |
| AVS-5414-XXX | 168.4 [6.63] | 74.0 [2.91] | 50.0 [1.97] | 34.0 [1.34] | M8 - 0.75 |

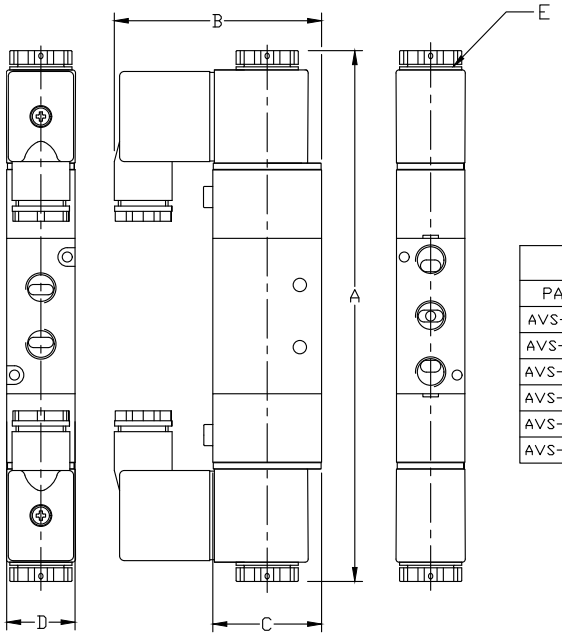
*See our website www.AutomationDirect.com for complete Engineering drawings.*

# Pneumatic Directional Control Solenoid Valves – AVS-5 Series

## Dimensions

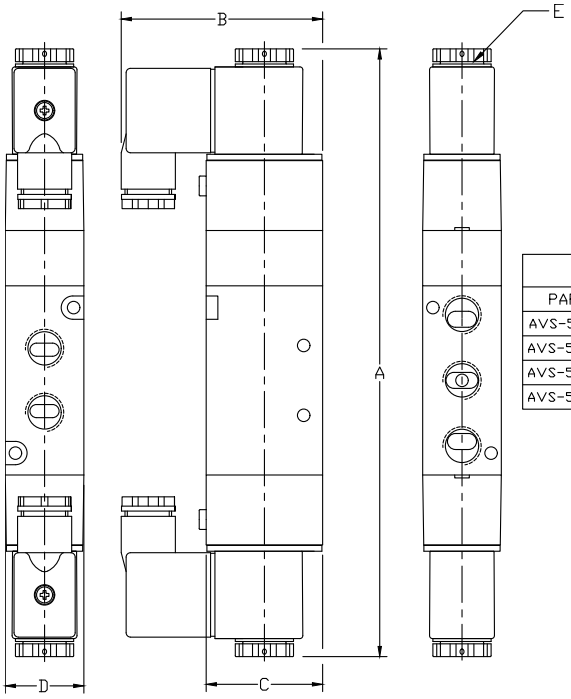
***mm [inches]***

***AVS-5121,***
***AVS-5221,***
***AVS-5222,***
***AVS-5322,***
***AVS-5323,***
***AVS-5424***




| DIMENSION TABLE | | | | | |
|---|---|---|---|---|---|
| PART NO. | A | B | C | D | E |
| AVS-5121-XXX | 142.4 [5.61] | 54.8 [2.16] | 27.0 [1.06] | 18.0 [0.71] | M7 - 0.5 |
| AVS-5221-XXX | 170.8 [6.72] | 66.7 [2.63] | 35.0 [1.38] | 22.0 [0.87] | M8 - 0.75 |
| AVS-5222-XXX | 170.8 [6.72] | 66.7 [2.63] | 35.0 [1.38] | 22.0 [0.87] | M8 - 0.75 |
| AVS-5322-XXX | 189.8 [7.47] | 69.2 [2.72] | 40.0 [1.57] | 27.0 [1.06] | M8 - 0.75 |
| AVS-5323-XXX | 189.8 [7.47] | 69.2 [2.72] | 40.0 [1.57] | 27.0 [1.06] | M8 - 0.75 |
| AVS-5424-XXX | 222.8 [8.77] | 74.0 [2.91] | 50.0 [1.97] | 34.0 [1.34] | M8 - 0.75 |

***AVS-513xx,***
***AVS-523xx,***
***AVS-533xx,***
***AVS-543xx***




| DIMENSION TABLE | | | | | |
|---|---|---|---|---|---|
| PART NO. | A | B | C | D | E |
| AVS-513XX-XXX | 157.4 [6.20] | 54.8 [2.16] | 26.6 [1.05] | 18.0 [0.71] | M7 - 0.5 |
| AVS-523XX-XXX | 189.8 [7.47] | 66.7 [2.63] | 35.0 [1.38] | 22.0 [0.87] | M8 - 0.75 |
| AVS-533XX-XXX | 208.8 [8.22] | 69.2 [2.72] | 40.0 [1.57] | 27.0 [1.06] | M8 - 0.75 |
| AVS-543XX-XXX | 243.8 [9.60] | 74.0 [2.91] | 50.0 [1.97] | 34.0 [1.34] | M8 - 0.75 |

***See our website www.AutomationDirect.com for complete Engineering drawings.***

# Exhaust Silencers

NITRA™ exhaust silencers are available in three styles and nine popular NPT and BSPT sizes. Add these to the exhaust ports of NITRA directional control solenoid valves to reduce noise.

### *Features*

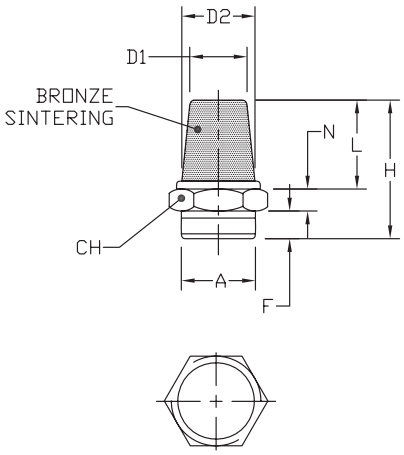
- Inch and metric sizes available
- Bronze cone and flat styles
- Plastic cylindrical
- Maximum pressure = 150 psi (10 bar)

*SBC Series*

*SBF Series*

*SPL Series*

### *SBC Silencers*



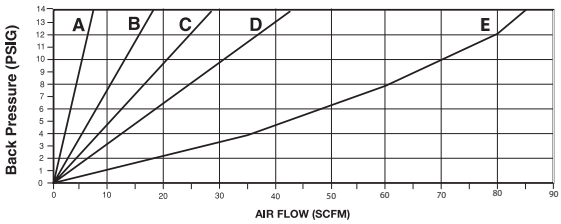

**NITRA™ Bronze Cone Silencers**

| *Part No.* | *Price* | *A* | *CH* | *D1* | *D2* | *F* | *H* | *L* | *N* | *Package Weight (lb)* | *Qty. per pack* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Inch Sizes - dimensions in inches [mm]*** | | | | | | | | | | | |
| *SBC-18N* | $3.25 | MNPT 1/8 | 0.47 [12.0] | 0.32 [8.0] | 0.28 [7.0] | 0.24 [6.0] | 0.94 [24.0] | 0.55 [14.0] | 0.16 [4.0] | 0.01 | 2 |
| *SBC-14N* | $4.50 | MNPT 1/4 | 0.63 [16.0] | 0.47 [12.0] | 0.40 [10.0] | 0.32 [8.0] | 1.18 [30.0] | 0.71 [18.0] | 0.16 [4.0] | 0.01 | |
| *SBC-38N* | $6.50 | MNPT 3/8 | 0.71 [18.0] | 0.55 [14.0] | 0.39 [11.0] | 0.35 [9.0] | 1.38 [35.0] | 0.83 [21.0] | 0.197 [5.0] | 0.05 | |
| *SBC-12N* | $12.00 | MNPT 1/2 | 0.94 [24.0] | 0.75 [19.0] | 0.59 [15.0] | 0.40 [10.0] | 1.73 [44.0] | 1.10 [28.0] | 0.24 [6.0] | 0.15 | |
| ***Metric Sizes - dimensions in inches [mm]*** | | | | | | | | | | | |
| *SBC-M5* | $2.50 | M5 | 0.31 [8.0] | 0.20 [5.0] | 0.16 [4.0] | 0.20 [5.0] | 0.79 [20.0] | 0.47 [12.0] | 0.12 [3.0] | 0.01 | 2 |
| *SBC-18R* | $3.25 | R 1/8 | 0.47 [12.0] | 0.32 [8.0] | 0.28 [7.0] | 0.24 [6.0] | 0.94 [24.0] | 0.55 [14.0] | 0.16 [4.0] | 0.01 | |
| *SBC-14R* | $3.75 | R 1/4 | 0.63 [16.0] | 0.47 [12.0] | 0.40 [10.0] | 0.32 [8.0] | 1.18 [30.0] | 0.71 [18.0] | 0.16 [4.0] | 0.01 | |
| *SBC-38R* | $5.75 | R 3/8 | 0.71 [18.0] | 0.55 [14.0] | 0.39 [11.0] | 0.35 [9.0] | 1.38 [35.0] | 0.83 [21.0] | 0.197 [5.0] | 0.05 | |
| *SBC-12R* | $10.00 | R 1/2 | 0.94 [24.0] | 0.75 [19.0] | 0.59 [15.0] | 0.40 [10.0] | 1.73 [44.0] | 1.10 [28.0] | 0.24 [6.0] | 0.15 | |

## Flow Characteristics

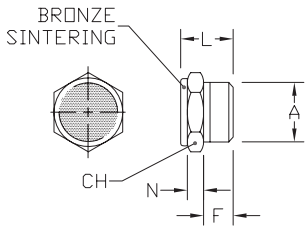
### *Bronze Cone Silencers*

*A: SBC-M5*
*B: SBC-18N; SBC-18R*
*C: SBC-14N; SBC-14R*
*D: SBC-38N; SBC-38R*
*E: SBC-12N; SBC-12R*




**Noise Elimilation = > 20db**
**Filtered Element = 40 micron**

### *SBF Silencers*




**NITRA™ Bronze Flat Silencers**

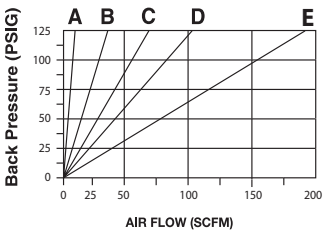
| *Part No.* | *Price* | *A* | *CH* | *F* | *L* | *N* | *Package Weight (lb)* | *Qty. per pack* |
|---|---|---|---|---|---|---|---|---|
| ***Inch Sizes - dimensions in inches [mm]*** | | | | | | | | |
| *SBF-18N* | $3.25 | MNPT 1/8 | 0.47 [12.0] | 0.24 [6.0] | 0.47 [12.0] | 0.16 [4.0] | 0.01 | 2 |
| *SBF-14N* | $4.00 | MNPT 1/4 | 0.67 [17.0] | 0.32 [8.0] | 0.59 [15.0] | 0.16 [4.0] | 0.01 | |
| *SBF-38N* | $7.00 | MNPT 3/8 | 0.75 [19.0] | 0.35 [9.0] | 0.67 [17.0] | 0.20 [5.0] | 0.05 | |
| *SBF-12N* | $10.50 | MNPT 1/2 | 0.94 [24.0] | 0.40 [10.0] | 0.71 [18.0] | 0.24 [6.0] | 0.15 | |
| ***Metric Sizes - dimensions in inches [mm]*** | | | | | | | | |
| *SBF-M5* | $2.50 | M5 | 0.31 [8.0] | 0.20 [5.0] | 0.35 [9.0] | 0.12 [3.0] | 0.01 | 2 |
| *SBF-18R* | $3.25 | R 1/8 | 0.47 [12.0] | 0.24 [6.0] | 0.47 [12.0] | 0.16 [4.0] | 0.01 | |
| *SBF-14R* | $3.75 | R 1/4 | 0.67 [17.0] | 0.32 [8.0] | 0.59 [15.0] | 0.16 [4.0] | 0.01 | |
| *SBF-38R* | $6.00 | R 3/8 | 0.75 [19.0] | 0.35 [9.0] | 0.67 [17.0] | 0.20 [5.0] | 0.05 | |
| *SBF-12R* | $10.50 | R 1/2 | 0.94 [24.0] | 0.40 [10.0] | 0.71 [18.0] | 0.24 [6.0] | 0.15 | |

# Exhaust Silencers

## Flow Characteristics

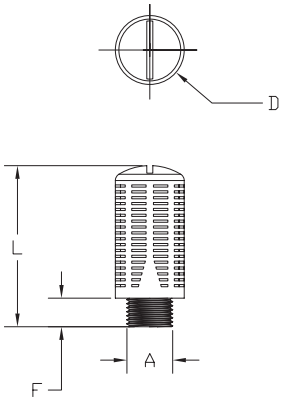
***Bronze Flat Silencers***

*A: SBF-M5*
*B: SBF-18N; SBF-18R*
*C: SBF-14N; SBF-14R*
*D: SBF-28N; SBF-38R*
*E: SBF-12N; SBF-12R*




**Noise Elimilation = > 30db**
**Filtered Element = 40 micron**

***SPL Silencers***




*Note: SPL series plastic exhaust silencers have a maximum pressure of 80 PSI (5.5 bar).*

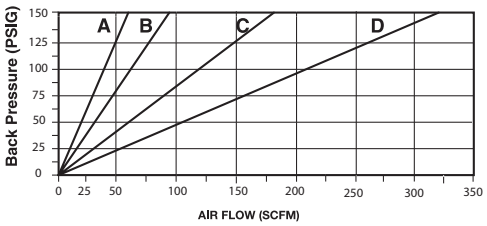
**NITRA™ Plastic Exhaust Silencers**

| *Part No.* | *Price* | *A* | *D* | *L* | *F* | *Package Weight (lbs)* | *Qty. per pack* |
|---|---|---|---|---|---|---|---|
| ***Inch Sizes - dimensions in inches [mm]*** | | | | | | | |
| ***SPL-18N*** | $2.75 | MNPT 1/8 | 0.55 [13.8] | 1.28 [32.4] | 0.33 [8.3] | 0.02 | 2 |
| ***SPL-14N*** | $3.00 | MNPT 1/4 | 0.68 [17.3] | 1.68 [42.5] | 0.39 [9.9] | 0.03 | |
| ***SPL-38N*** | $3.25 | MNPT 3/8 | 0.87 [22.0] | 2.10 [53.4] | 0.40 [10.0] | 0.06 | |
| ***SPL-12N*** | $3.25 | MNPT 1/2 | 1.00 [25.4] | 2.66 [67.6] | 0.44 [11.1] | 0.08 | |
| ***Metric Sizes - dimensions in inches [mm]*** | | | | | | | |
| ***SPL-18R*** | $2.75 | R 1/8 | 0.60 [15.2] | 1.33 [33.7] | 0.24 [6.1] | 0.02 | 2 |
| ***SPL-14R*** | $3.00 | R 1/4 | 0.60 [18.8] | 1.60 [40.6] | 0.31 [7.7] | 0.03 | |
| ***SPL-38R*** | $3.25 | R 3/8 | 0.94 [24.0] | 2.20 [55.9] | 0.39 [9.9] | 0.06 | |
| ***SPL-12R*** | $3.25 | R 1/2 | 0.94 [24.0] | 2.20 [55.9] | 0.39 [9.9] | 0.08 | |

## Flow Characteristics

***Plastic Silencers***

*A: SPL-18N; SPL-18R*
*B: SPL-14N; SPL-14R*
*C: SPL-38N; SPL-38R*
*D: SPL-12N; SPL-12R*




**Noise Elimilation = > 30db**
**Filtered Element = 40 micron**

# Pneumatic A-Series Direction Control Solenoid Valves - Accessories

AVC1-12D

AVC2-12D

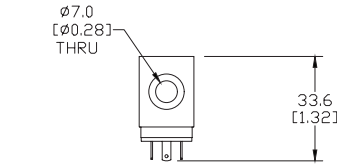
AVP-31BKT

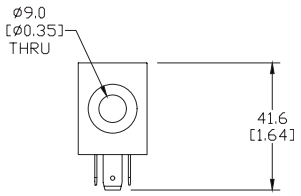
AVP-31KIT

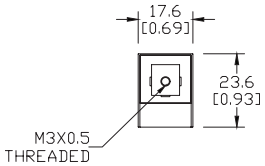
| Pneumatic A-Series Directional Control Solenoid Valve Series Accessories | | | |
|---|---|---|---|
| Part No. | Price | Description | Weight (lb) |
| AVC1-12D | $12.00 | NITRA solenoid coil, 12VDC, 2.5 W. For use with AVS-31 and AVS-51 series valves. | 0.1 |
| AVC1-24D | $12.00 | NITRA solenoid coil, 24VDC, 2.5 W. For use with AVS-31 and AVS-51 series valves. | 0.1 |
| AVC1-24A | $12.00 | NITRA solenoid coil, 24VAC, 4.0 VA. For use with AVS-31 and AVS-51 series valves. | 0.1 |
| AVC1-120A | $12.00 | NITRA solenoid coil, 120VAC, 3.5 VA. For use with AVS-31 and AVS-51 series valves. | 0.1 |
| AVC2-12D | $12.50 | NITRA solenoid coil, 12VDC, 3.0 W. For use with AVP-31, AVS-32, AVS-33, AVS-52, AVS-53 and AVS-54 series valves. | 0.2 |
| AVC2-24D | $12.50 | NITRA solenoid coil, 24VDC, 3.0 W. For use with AVP-31, AVS-32, AVS-33, AVS-52, AVS-53 and AVS-54 series valves. | 0.2 |
| AVC2-24A | $12.00 | NITRA solenoid coil, 24VAC, 5.0 VA. For use with AVP-31, AVS-32, AVS-33, AVS-52, AVS-53 and AVS-54 series valves. | 0.2 |
| AVC2-120A | $12.00 | NITRA solenoid coil, 120VAC, 4.5 VA. For use with AVP-31, AVS-32, AVS-33, AVS-52, AVS-53 and AVS-54 series valves. | 0.2 |
| AVP-31BKT | $2.00 | NITRA individual mounting bracket, plated steel. For use with AVP-31 directional control valves. | 0.1 |
| AVP-31KIT | $3.25 | NITRA stacking screws, for use with AVP-31 directional control valves. One kit is required for each additional AVP-31 valve added to the stack. | 0.1 |

## Dimensions

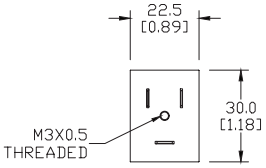
*mm [inches]*



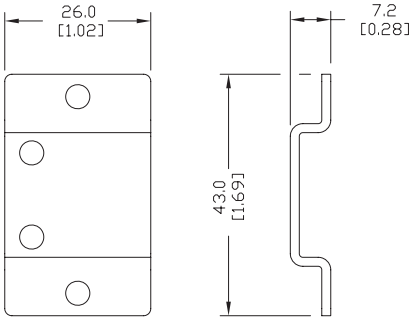




AVC1 Series Coils




AVC2 Series Coils




AVP-31BKT

*See our website www.AutomationDirect.com for complete Engineering drawings.*

# Pneumatic Directional Control Solenoid Valve Manifolds and Accessories

*AM-3 Series Manifolds*

*AM-31BP*

| Pneumatic Directional Control Solenoid Valve Series Accessories | | | |
|---|---|---|---|
| *Part No.* | *Price* | *Description* | *Weight (lb)* |
| AM-312 | $24.50 | NITRA pneumatic valve manifold, aluminum, 2 stations, (2) 1/4in FNPT inlet port(s), (2) 1/4in FNPT exhaust port(s). For use with AVS-31 series. | 0.2 |
| AM-314 | $35.50 | NITRA pneumatic valve manifold, aluminum, 4 stations, (2) 1/4in FNPT inlet port(s), (2) 1/4in FNPT exhaust port(s). For use with AVS-31 series. | 0.3 |
| AM-316 | $42.50 | NITRA pneumatic valve manifold, aluminum, 6 stations, (2) 1/4in FNPT inlet port(s), (2) 1/4in FNPT exhaust port(s). For use with AVS-31 series. | 0.4 |
| AM-318 | $56.00 | NITRA pneumatic valve manifold, aluminum, 8 stations, (2) 1/4in FNPT inlet port(s), (2) 1/4in FNPT exhaust port(s). For use with AVS-31 series. | 0.5 |
| AM-31BP | $5.00 | NITRA blanking plate, plated steel. For use with AM-31 series manifolds. | 0.1 |
| AM-322 | $23.00 | NITRA pneumatic valve manifold, aluminum, 2 stations, (2) 1/4in FNPT inlet port(s), (2) 1/4in FNPT exhaust port(s). For use with AVS-32 series. | 0.2 |
| AM-324 | $39.50 | NITRA pneumatic valve manifold, aluminum, 4 stations, (2) 1/4in FNPT inlet port(s), (2) 1/4in FNPT exhaust port(s). For use with AVS-32 series. | 0.4 |
| AM-326 | $57.00 | NITRA pneumatic valve manifold, aluminum, 6 stations, (2) 1/4in FNPT inlet port(s), (2) 1/4in FNPT exhaust port(s). For use with AVS-32 series. | 0.5 |
| AM-328 | $74.00 | NITRA pneumatic valve manifold, aluminum, 8 stations, (2) 1/4in FNPT inlet port(s), (2) 1/4in FNPT exhaust port(s). For use with AVS-32 series. | 0.7 |
| AM-32BP | $5.00 | NITRA blanking plate, plated steel. For use with AM-32 series manifolds. | 0.1 |
| AM-332 | $25.50 | NITRA pneumatic valve manifold, aluminum, 2 stations, (2) 3/8in FNPT inlet port(s), (2) 3/8in FNPT exhaust port(s). For use with AVS-33 series. | 0.4 |
| AM-334 | $46.00 | NITRA pneumatic valve manifold, aluminum, 4 stations, (2) 3/8in FNPT inlet port(s), (2) 3/8in FNPT exhaust port(s). For use with AVS-33 series. | 0.6 |
| AM-336 | $81.00 | NITRA pneumatic valve manifold, aluminum, 6 stations, (2) 3/8in FNPT inlet port(s), (2) 3/8in FNPT exhaust port(s). For use with AVS-33 series. | 0.9 |
| AM-338 | $86.00 | NITRA pneumatic valve manifold, aluminum, 8 stations, (2) 3/8in FNPT inlet port(s), (2) 3/8in FNPT exhaust port(s). For use with AVS-33 series. | 1.1 |
| AM-33BP | $5.50 | NITRA blanking plate, plated steel. For use with AM-33 series manifolds. | 0.1 |
| AM-512 | $12.50 | NITRA pneumatic valve manifold, aluminum, 2 stations, (2) 1/4in FNPT inlet port(s), (4) 1/4in FNPT exhaust port(s). For use with AVS-51 series. | 0.4 |
| AM-514 | $22.50 | NITRA pneumatic valve manifold, aluminum, 4 stations, (2) 1/4in FNPT inlet port(s), (4) 1/4in FNPT exhaust port(s). For use with AVS-51 series. | 0.6 |
| AM-516 | $32.00 | NITRA pneumatic valve manifold, aluminum, 6 stations, (2) 1/4in FNPT inlet port(s), (4) 1/4in FNPT exhaust port(s). For use with AVS-51 series. | 0.8 |
| AM-518 | $44.50 | NITRA pneumatic valve manifold, aluminum, 8 stations, (2) 1/4in FNPT inlet port(s), (4) 1/4in FNPT exhaust port(s). For use with AVS-51 series. | 1.1 |
| AM-51BP | $6.25 | NITRA blanking plate, plated steel. For use with AM-51 series manifolds. | 0.1 |
| AM-522 | $16.50 | NITRA pneumatic valve manifold, aluminum, 2 stations, (2) 1/4in FNPT inlet port(s), (4) 1/4in FNPT exhaust port(s). For use with AVS-52 series. | 0.5 |
| AM-524 | $32.50 | NITRA pneumatic valve manifold, aluminum, 4 stations, (2) 1/4in FNPT inlet port(s), (4) 1/4in FNPT exhaust port(s). For use with AVS-52 series. | 0.9 |
| AM-526 | $46.50 | NITRA pneumatic valve manifold, aluminum, 6 stations, (2) 1/4in FNPT inlet port(s), (4) 1/4in FNPT exhaust port(s). For use with AVS-52 series. | 1.2 |
| AM-528 | $63.00 | NITRA pneumatic valve manifold, aluminum, 8 stations, (2) 1/4in FNPT inlet port(s), (4) 1/4in FNPT exhaust port(s). For use with AVS-52 series. | 1.5 |
| AM-52BP | $6.75 | NITRA blanking plate, plated steel. For use with AM-52 series manifolds. | 0.1 |

# Pneumatic Directional Control Solenoid Valve Manifolds and Accessories

*AM-5 Series Manifolds*

***AM-31GS***

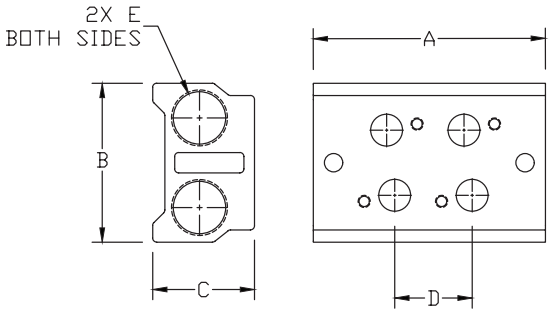
| Pneumatic Directional Control Solenoid Valve Series Accessories Continued | | | |
|---|---|---|---|
| ***Part No.*** | ***Price*** | ***Description*** | ***Weight (lb)*** |
| ***AM-532*** | $22.00 | NITRA pneumatic valve manifold, aluminum, 2 stations, (2) 3/8in FNPT inlet port(s), (4) 3/8in FNPT exhaust port(s). For use with AVS-53 series. | 0.8 |
| ***AM-534*** | $44.00 | NITRA pneumatic valve manifold, aluminum, 4 stations, (2) 3/8in FNPT inlet port(s), (4) 3/8in FNPT exhaust port(s). For use with AVS-53 series. | 1.4 |
| ***AM-536*** | $66.00 | NITRA pneumatic valve manifold, aluminum, 6 stations, (2) 3/8in FNPT inlet port(s), (4) 3/8in FNPT exhaust port(s). For use with AVS-53 series. | 1.9 |
| ***AM-538*** | $88.00 | NITRA pneumatic valve manifold, aluminum, 8 stations, (2) 3/8in FNPT inlet port(s), (4) 3/8in FNPT exhaust port(s). For use with AVS-53 series. | 2.5 |
| ***AM-53BP*** | $6.75 | NITRA blanking plate, plated steel. For use with AM-53 series manifolds. | 0.1 |
| ***AM-542*** | $29.00 | NITRA pneumatic valve manifold, aluminum, 2 stations, (2) 1/2in FNPT inlet port(s), (4) 1/2in FNPT exhaust port(s). For use with AVS-54 series. | 1.7 |
| ***AM-544*** | $59.00 | NITRA pneumatic valve manifold, aluminum, 4 stations, (2) 1/2in FNPT inlet port(s), (4) 1/2in FNPT exhaust port(s). For use with AVS-54 series. | 2.8 |
| ***AM-546*** | $91.00 | NITRA pneumatic valve manifold, aluminum, 6 stations, (2) 1/2in FNPT inlet port(s), (4) 1/2in FNPT exhaust port(s). For use with AVS-54 series. | 4.0 |
| ***AM-548*** | $109.00 | NITRA pneumatic valve manifold, aluminum, 8 stations, (2) 1/2in FNPT inlet port(s), (4) 1/2in FNPT exhaust port(s). For use with AVS-54 series. | 5.2 |
| ***AM-54BP*** | $6.75 | NITRA blanking plate, plated steel. For use with AM-54 series manifolds. | 0.1 |
| ***AM-31GS*** | $5.25 | NITRA manifold mounting set, for use with AM-31 series manifolds. | 0.1 |
| ***AM-32GS*** | $6.00 | NITRA manifold mounting set, for use with AM-32 series manifolds. | 0.1 |
| ***AM-33GS*** | $6.00 | NITRA manifold mounting set, for use with AM-33 series manifolds. | 0.1 |
| ***AM-51GS*** | $5.25 | NITRA manifold mounting set, for use with AM-51 series manifolds. | 0.1 |
| ***AM-52GS*** | $6.00 | NITRA manifold mounting set, for use with AM-52 series manifolds. | 0.1 |
| ***AM-53GS*** | $6.00 | NITRA manifold mounting set, for use with AM-53 series manifolds. | 0.1 |
| ***AM-54GS*** | $6.25 | NITRA manifold mounting set, for use with AM-54 series manifolds. | 0.1 |

# Pneumatic Directional Control Solenoid Valve Manifolds and Accessories

## Dimensions

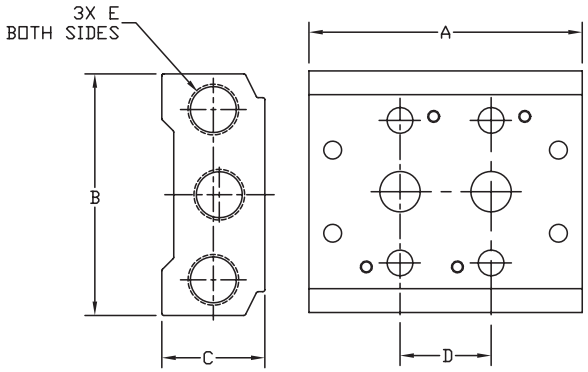
***mm [inches]***

### *AM 3x Series Manifolds*




| MANIFOLD DIMENSIONS | | | | | |
|---|---|---|---|---|---|
| PART NO. | A | B | C | D | E |
| AM-312 | 57.0 [2.24] | 39.0 [1.54] | 25.0 [0.98] | 19.0 [.075] | 1/4 NPT |
| AM-314 | 95.0 [3.74] | | | 3X 19.0 [.075] | |
| AM-316 | 133.0 [5.24] | | | 5X 19.0 [.075] | |
| AM-318 | 171.0 [6.73] | | | 7X 19.0 [.075] | |
| AM-322 | 69.0 [2.72] | 45.0 [1.77] | 25.0 [0.98] | 23.0 [0.91] | |
| AM-324 | 115.0 [4.53] | | | 3X 23.0 [0.91] | |
| AM-326 | 161.0 [6.34] | | | 5X 23.0 [0.91] | |
| AM-328 | 207.0 [8.15] | | | 7X 23.0 [0.91] | |
| AM-332 | 82.0 [3.23] | 52.0 [2.05] | 29.0 [1.14] | 28.0 [1.10] | 3/8 NPT |
| AM-334 | 138.0 [5.46] | | | 3X 28.0 [1.10] | |
| AM-336 | 194.0 [7.64] | | | 5X 28.0 [1.10] | |
| AM-338 | 250.0 [9.84] | | | 7X 28.0 [1.10] | |

### *AM 5x Series Manifolds*




| MANIFOLD DIMENSIONS | | | | | |
|---|---|---|---|---|---|
| PART NO. | A | B | C | D | E |
| AM-512 | 57.0 [2.24] | 58.0 [2.28] | 25.0 [0.98] | 19.0 [.075]* | 1/4 NPT |
| AM-514 | 95.0 [3.74] | | | 3X 19.0 [.075]* | |
| AM-516 | 133.0 [5.24] | | | 5X 19.0 [.075]* | |
| AM-518 | 171.0 [6.73] | | | 7X 19.0 [.075]* | |
| AM-522 | 69.0 [2.72] | 61.0 [2.40] | 26.0 [1.02] | 23.0 [0.91] | |
| AM-524 | 115.0 [4.53] | | | 3X 23.0 [0.91] | |
| AM-526 | 161.0 [6.34] | | | 5X 23.0 [0.91] | |
| AM-528 | 207.0 [8.15] | | | 7X 23.0 [0.91] | |
| AM-532 | 82.0 [3.23] | 75.0 [2.95] | 30.0 [1.19] | 28.0 [1.10] | 3/8 NPT |
| AM-534 | 138.0 [5.46] | | | 3X 28.0 [1.10] | |
| AM-536 | 194.0 [7.64] | | | 5X 28.0 [1.10] | |
| AM-538 | 250.0 [9.84] | | | 7X 28.0 [1.10] | |
| AM-542 | 98.0 [3.86] | 104.0 [4.09] | 38.0 [1.50] | 35.0 [1.38] | 1/2 NPT |
| AM-544 | 168.0 [6.61] | | | 3X 35.0 [1.38] | |
| AM-546 | 238.0 [9.37] | | | 5X 35.0 [1.38] | |
| AM-548 | 308.0 [12.13] | | | 7X 35.0 [1.38] | |

** Exhaust holes have 1mm offset from spacing centerline.*

*See our website www.AutomationDirect.com for complete Engineering drawings.*

# Solenoid Valve Cables and Connectors

These high quality connectors and over-molded cables help reduce wiring time. The lower voltage models, 24V or 110V AC/DC, include built-in surge suppression, Yellow LED indicator and are rated for connecting with electronics. The 230V AC/DC models are rated for straight wired products. All models are available in five sizes based on DIN 43650.

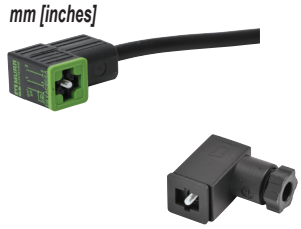
## Features

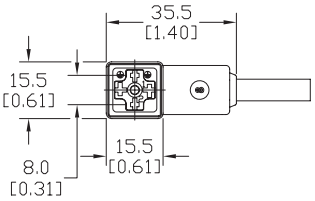
- 8mm, 9.4mm, 10mm, 11mm and 18mm square DIN styles
- Fits most popular solenoid valves and sensors
- Suppression and LED indication available in 24V or 110V AC/DC models
- PVC jacketed cables in 1, 3 or 5 meter lengths on select connectors
- Field wireable connectors on select models
- Polarity insensitive (follow solenoid, sensor, or other devices wiring diagram)

45-day Money-Back Guarantee

### *8mm Connectors*

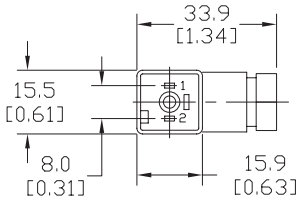
*Dimensions shown mm [inches]*






*Height = 25mm [0.98in]*

*Connector with Cable*




*Height = 26mm [1.02]*

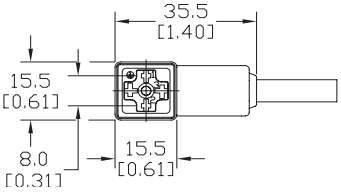
*Field Wireable Connector*

| 8mm (3-pole) Connectors (per DIN 43650 Form C) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Part No.* | *Price* | *Voltage (AC/DC)* | *Current Rating* | *IP Rating* | *Wire Size* | *Cable Dia. (in.)* | *LED* | *Surge Protection* | *Wiring Figure* | *Screw Size/ Torque* | *Weight (lbs)* | *Agency Approval* |
| SC8-LS24-3 | $15.50 | 24 ±20% | max 4A | 67 | 18 AWG | 0.23 | yes | zener diode (D-Z DO-15 47V 2W) | 1 | m2.5-0.45x25mm/ 0.4 Nm (3.5 in lb) | 0.40 | CSA (080128-0-000) |
| SC8-LS24-5 | $18.50 | | | | | | | | | | 0.65 | |
| SC8-LS110-3 | $19.00 | 110 ±10% | | | | | | zener diode (D-Z DO-41 ZY200 2W) | 7 | | 0.41 | |
| SC8-LS110-5 | $22.00 | | | | | | | | | | 0.63 | |
| SC8-3 | $12.50 | 230 | max 6A | 67 | 18 AWG | 0.23 | no | none | 2 | m2.5-0.45x25mm/ 0.5 Nm (4.4 in lb) | 0.39 | none |
| SC8-0 | $8.25 | | | 65 | Solid 12 AWG Stranded 14 AWG w/Ferrule 16 AWG | field wireable gland size 0.20 to 0.24 | | | 9 | | 0.10 | |
| SC8-1 | $16.50 | | | 67 | 18 AWG | 0.23 | | | 2 | | 0.10 | |
| SC8-5 | $17.50 | | | | | | | | | | 0.68 | |

*Last digit in part number denotes cable length in meters, a 0 indicates field termination.*

### *8mm Transmitter Connector*

*Dimensions shown mm [inches]*




*Height = 25mm [0.98in]*

*Connector with Cable*

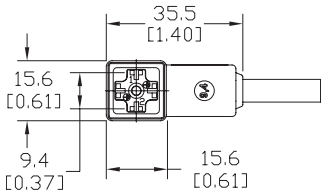
| 8mm (4-pole) Connectors (per DIN 43650 Form C) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Part No.* | *Price* | *Voltage (AC/DC)* | *Current Rating* | *IP Rating* | *Wire Size* | *Cable Dia. (in.)* | *LED* | *Surge Protection* | *Wiring Figure* | *Screw Size/ Torque* | *Weight (lbs)* | *Agency Approval* |
| SC8-5T | $23.50 | 230 | max 6A | 67 | 18 AWG | 0.26 | yes | none | 8 | m3-0.5x42mm/ 0.5 Nm (4.4 in lb) | 0.80 | CSA (080128-0-000) |

*Last numeric digit in part number denotes cable length in meters, a 0 indicates field termination.*

# Solenoid Valve Cables and Connectors

### 9.4mm Connectors

*Dimensions shown mm [inches]*



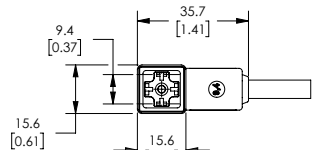

*Height = 25mm [0.98in]*

*Connector with Cable*

| 9.4mm (3-pole) Connectors (DIN Style, Form C Industrial) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Part No. | Price | Voltage (AC/DC) | Current Rating | IP Rating | Wire Size | Cable Dia. (in.) | LED | Surge Protection | Wiring Figure | Screw Size/ Torque | Weight (lbs) | Agency Approval |
| SC9-LS24-3 | $15.50 | 24 ±20% | max 4A | 67 | 18 AWG | 0.23 | yes | zener diode (D-Z DO-15 47V 2W) | 1 | m3-0.5x26mm/ 0.4 Nm (3.5 in lb) | 0.40 | CSA (080128-0-000) |
| SC9-LS24-5 | $18.50 | | | | | | | | | | 0.64 | |
| SC9-LS110-3 | $19.00 | 110 ±10% | | | | | | zener diode (D-Z DO-41 ZY200 2W) | 7 | | 0.40 | |
| SC9-LS110-5 | $22.00 | | | | | | | | | | 0.64 | |
| SC9-3 | $12.50 | 230 | max 6A | | | | no | none | 2 | m3-0.5x26mm/ 0.5 Nm (4.4 in lb) | 0.40 | none |
| SC9-5 | $17.50 | | | | | | | | | | 0.64 | |

### 9.4mm Connectors

*Dimensions shown mm [inches]*




*Height = 25mm [0.98in]*

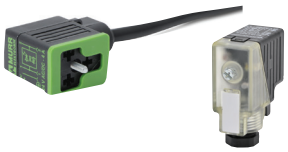
*Connector with Cable*

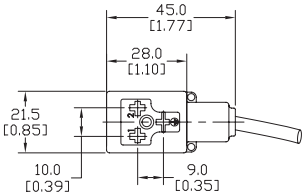
| 9.4mm (4-pole) Connectors (DIN Style, Form C Industrial) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Part No. | Price | Voltage (AC/DC) | Current Rating | IP Rating | Wire Size | Cable Dia. | Cable Length | LED | Surge Protection | Wiring Figure | Screw Size/ Torque | Weight (lbs) | Agency Approval |
| 7000-94141-6270300 | $18.00 | 230 VAC/ VDC | max 6A | IP67 | 18 AWG | 5.6–6.2 mm | 9.8ft/3m | no | none | 8 | m3-0.5x26mm/ 0.4 Nm (3.5 in lb) | 0.50 | CSA (080128-0-000)/ RoHS |
| 7000-94141-6270500 | $24.00 | | | | | | 16.4ft/5m | | | | | 0.79 | |

# Solenoid Valve Cables and Connectors

### *10mm Connectors*

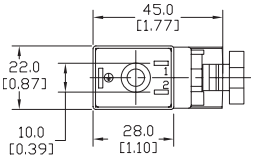
*Dimensions shown*
*mm [inches]*






*Height = 30mm [1.18in]*

*Connector with Cable*




*Height = 41mm [1.61in]*

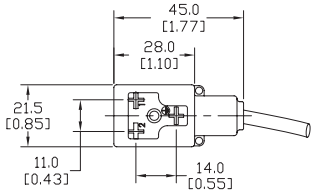
*Field Wireable Connector*

| 10mm (3-pole) Connectors (per DIN 43650 Form B) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Part No.* | *Price* | *Voltage (AC/DC)* | *Current Rating* | *IP Rating* | *Wire Size* | *Cable Dia. (in.)* | *LED* | *Surge Protection* | *Wiring Figure* | *Screw Size/ Torque* | *Weight (lbs)* | *Agency Approval* |
| *SC10-LS24-3* | $15.50 | 24 ±20% | max 4A | 67 | 18 AWG | 0.23 | yes | zener diode (D-Z DO-15 47V 2W) | 10 | m3-0.5x30mm/ 0.4 Nm (3.5 in lb) | 0.43 | CSA (080128-0-000) |
| *SC10-LS24-5* | $18.50 | | | | | | | | | | 0.68 | |
| *SC10-LS110-3* | $19.00 | 110 ±10% | max 1A | | | | | zener diode (D-Z DO-41 ZY200 2W) | 6 | | 0.43 | |
| *SC10-LS110-5* | $22.00 | | | | | | | | | | 0.68 | |
| *SC10-3* | $12.50 | 230 | max 10A | | | | no | none | 3 | | 0.43 | |
| *SC10-5* | $17.50 | | | | | | | | | | 0.68 | |
| *SC10-LS24-0* | $12.50 | 24 ±20% | max 4A | 65 | Solid 12 AWG Stranded 14 AWG w/Ferrule 16 AWG | field wireable gland size 0.24 to 0.32 | yes | zener diode (D-Z DO-15 47V 2W) | 4 | m3-0.5x42mm/ 0.5 Nm (4.4 in lb) | 0.07 | none |
| *SC10-LS110-0* | $14.00 | 110 ±10% | max 1A | | | | | mov (SIOV S10 K130) | 5 | | 0.07 | |

*Last digit in part number denotes cable length in meters, a 0 indicates field termination.*

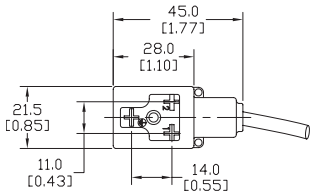
### *11mm Connectors*

*Dimensions shown*
*mm [inches]*



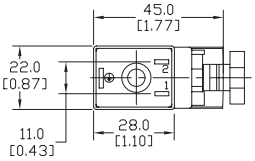

*Height = 30mm [1.18in]*

*Connector with Cable*




*Height = 30mm [1.18in]*

*Reverse Connector with Cable*




*Height = 41mm [1.61in]*

*Field Wireable Connector*

| 11mm (3-pole) Connectors (DIN Style, Form B Industrial) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Part No.* | *Price* | *Voltage (AC/DC)* | *Current Rating* | *IP Rating* | *Wire Size* | *Cable Dia. (in)* | *LED* | *Surge Protection* | *Wiring Figure* | *Screw Size/ Torque* | *Weight (lbs)* | *Agency Approval* |
| *SC11-LS24-3* | $15.50 | 24 ±20% | max 4A | 67 | 18 AWG | 0.23 | yes | zener diode (D-Z DO-15 47V 2W) | 10 | m3-0.5x30mm/ 0.4 Nm (3.5 in lb) | 0.44 | CSA (080128-0-000) |
| *SC11-LS24-5* | $18.50 | | | | | | | | | | 0.67 | |
| *SC11-LS110-3* | $19.00 | 110 ±10% | max 1A | | | | | zener diode (D-Z DO-41 ZY200 2W) | 6 | | 0.44 | |
| *SC11-LS110-5* | $22.00 | | | | | | | | | | 0.67 | |
| *SC11-LS24-3R* | $15.50 | 24 ±20% | max 4A | | | | | zener diode (D-Z DO-15 47V 2W) | 10 | | 0.44 | |
| *SC11-LS24-5R* | $18.50 | | | | | | | | | | 0.67 | |
| *SC11-LS110-3R* | $19.00 | 110 ±10% | max 1A | | | | | zener diode (D-Z DO-41 ZY200 2W) | 6 | | 0.44 | |
| *SC11-LS110-5R* | $22.00 | | | | | | | | | | 0.67 | |
| *SC11-3* | $12.50 | 230 | max 10A | | | | no | none | 3 | | 0.44 | |
| *SC11-5* | $17.50 | | | | | | | | | | 0.67 | |
| *SC11-LS24-0* | $12.50 | 24 ±20% | max 4A | 65 | Solid 12 AWG Stranded 14 AWG w/Ferrule 16 AWG | field wireable gland size 0.24 to 0.32 | yes | zener diode (D-Z DO-15 47V 2W) | 4 | m3-0.5x42mm/ 0.5 Nm (4.4 in lb) | 0.07 | none |
| *SC11-LS110-0* | $14.00 | 110 ±10% | max 1A | | | | | mov (SIOV S10 K130) | 5 | | 0.07 | |
| *SC11-0* | $10.50 | 230 | max 10A | | | | no | none | 9 | | 0.07 | |

*Last numeric digit in part number denotes cable length in meters, a 0 indicates field termination.*

# Solenoid Valve Cables and Connectors Wiring Diagrams

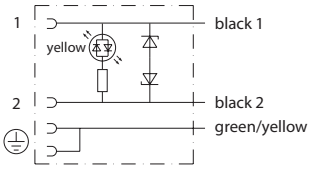



***Figure No. 1***

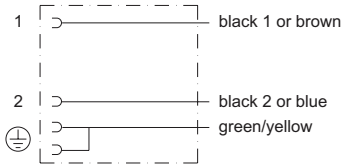



***Figure No. 2***

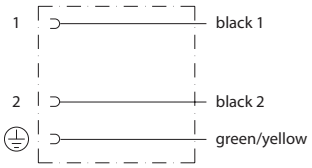



***Figure No. 3***

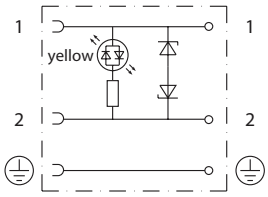



***Figure No. 4***

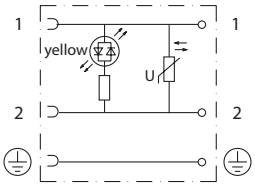



***Figure No. 5***

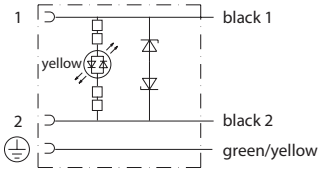



***Figure No. 6***

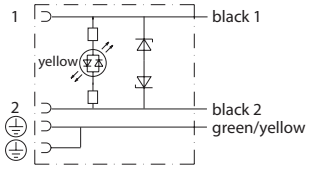



***Figure No. 7***

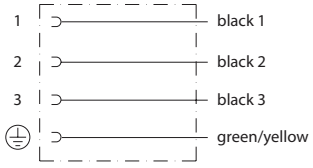



***Figure No. 8***

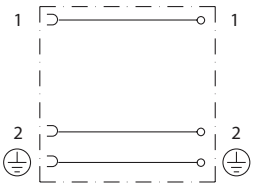



***Figure No. 9***

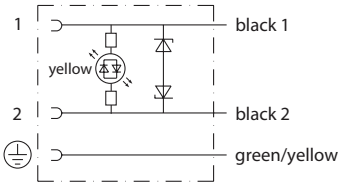



***Figure No. 10***