Related Products

Conforming to OSHA Standard Pressure Relief 3-Port Valve with Locking Hole VHS 20/30/40/50

Manually operated valve can be used to prevent accidents caused by residual pressure in pneumatic lines.

The supply/exhaust

status of the air flow

can be verified at a

indicating window.

SUP : Supply

EXH : Exhaust

glance in the

Can prevent accidents due to inadvertent air supply. When in the exhaust position, the valve may be padlock secured. Prevents accidental

> or servicing equipment. OSHA standard (Occupational Safety and Health Administration Department of

> > Labor)

start-ups while

For safety control, OSHA rule requires energy sources for certain equipment be turned off or disconnected and that the device either be locked or labelled with a warning tag.



Combination with a modular style FRL

Combination with a modular style FRL is possible.

| | AC50 |
|-------|------|
| VHS20 | |
| VHS30 | |
| VHS40 | |

An interface part is required if a spacer or spacer with bracket shown in the table below is attached to a modular FRL.

| Pressure relief 3-port valve | Interface P/N | Spacer with bracket P/N | Applicable air preparation equipment | | |
|---|---------------|----------------------------|---|--|--|
| VHS20 | Y200 | Y200T | AC20 | | |
| VHS30 | Y300 | Y300T | AC25, AC30 | | |
| VHS40 | Y400 | Y400T | AC40 | | |
| VHS40-06 | Y500 | Y500T | AC40-06 | | |
| VHS50 | Y600 | Y600T | AC50, AC60 Note) | | |
| Note) Although connection to AC60 is possible, the flow rate may decrease due | | | | | |

to the mounting position.

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d

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Nov06-JBS25M-LA





Soft Start Up Valve With Lock Out



Series AVL2000/3000/4000/5000

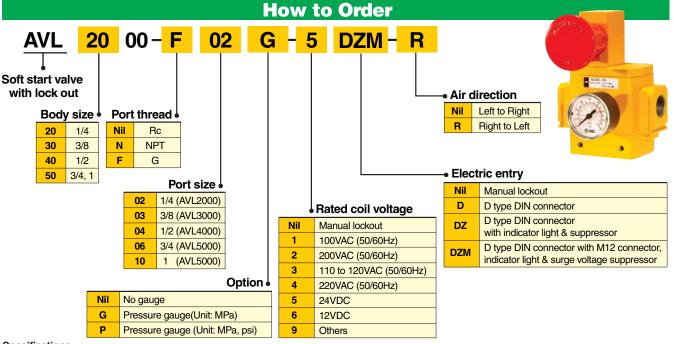
Soft start up valve with lock out

Large effective area

Manual/Manual solenoid lock out

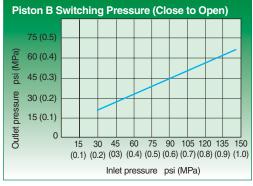
AVL2000/3000/4000/5000

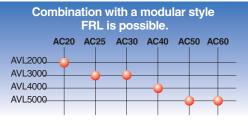
O.S.H.A compliant-lockable soft start valve. Gradual increase of supply pressure and rapid exhaust of system air when the supply is shut off.



Specifications

| Model | | | AV2000 | AV3000 | AV4000 | AV5 | 6000 | | | |
|--|--------------------------------|----------|---|--|-------------------------|-------------|-------------|-------------|--|--|
| Port size | | | | 1/4 | 3/8 | 1/2 | 3/4 | 1 | | |
| P | roof press | ure | | 225psi (1.5MPa) | | | | | | |
| 0 | perating p | ressur | e range | 30 to 150psi (0.2 to 1MPa) | | | | | | |
| A | mbient and | fluid te | mperature | | 32 to 140°F (0 to 60°C) | | | | | |
| | fective | 1(P) | to 2(A) | 20 | 37 | 61 | 113 | 122 | | |
| ar | ea (mm²) | 2(A) | to 3(R) | 24 | 49 | 76 | 132 | 141 | | |
| W | Weight manual/solenoid (Kg/lb) | | | 0.64 (1.14) | 0.74 (1.63) | 1.00 (2.21) | 1.90 (4.19) | 1.84 (4.06) | | |
| Weight manual (Kg/lb) | | | 0.52 (1.15) | 0.62 (1.37) | 0.88 (1.94) | 1.78 (3.93) | 1.72 (3.79) | | | |
| _ Rated coil voltage | | | 100, 200, 110 to 120, 220VAC (50/60Hz), 12, 24VDC | | | | | | | |
| Allowable voltage fluctuation | | | -15% to +10% of rated voltage | | | | | | | |
| Coil insulation type | | | Equivalent to B type [266°F (130°C)] | | | | | | | |
| pec | Current | . AC | Inrush | 5.6V (50Hz), 5.0VA (60Hz) | | | | | | |
| al s | consumpti | ion | Energized | d 3.4VA (2.1W) 50Hz, 2.3VA (1.5W) 60Hz | | | | | | |
| Allowable voltage fluctuation Coil insulation type Current consumption AC Current consumption DC Electric entry | | | 1.8W | | | | | | | |
| Electric entry | | | Type D DIN Terminal, M12 connector | | | | | | | |
| Optional specification | | | Indicator light/Surge voltage suppressor | | | | | | | |

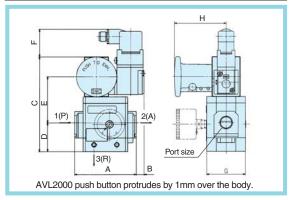




Dimension AVL2000 to AVL5000

| Model | Port size | А | В | С | D | Е | F | G | н |
|------------------------|--------------|-----|------|-----|----|----|----|----|--------------|
| AVL2000-*02 | 1/4 | 67 | - | 111 | 31 | 55 | - | 40 | 64 (Max. 73) |
| AVL2000-*02-*DZM | 1/4 | 67 | 20.5 | 111 | 31 | 55 | 34 | 40 | 64 (Max. 73) |
| AVL3000-*03 | 3/8 | 76 | - | 118 | 36 | 57 | - | 48 | 64 (Max. 73) |
| AVL3000-*03-*DZM | 3/8 | 76 | 12.5 | 118 | 36 | 57 | 34 | 48 | 64 (Max. 73) |
| AVL4000-*04 | 1/2 | 98 | - | 133 | 47 | 61 | - | 52 | 64 (Max. 73) |
| AVL4000-*04-*DZM | 1/2 | 98 | - | 133 | 47 | 61 | 34 | 52 | 64 (Max. 73) |
| AVL5000-*06 to 10 | 3/4 & 1 | 128 | - | 161 | 59 | 77 | - | 74 | 64 (Max. 73) |
| AVL5000-*06 to 10-*DZM | 3/4 & 1 | 128 | - | 161 | 59 | 77 | 34 | 74 | 64 (Max. 73) |

(mm)



| Dimension AC20* to AC60* (mm) | | | | | | |
|-------------------------------|------|-----|-------|--|--|--|
| Model | A1 | A2 | A3 | | | |
| AC20* | 41.5 | 43 | 67.5 | | | |
| AC25* | 55 | 57 | 78 | | | |
| AC30* | 55 | 57 | 78 | | | |
| AC40* | 72.5 | 75 | 100.5 | | | |
| AC50* | 93 | 96 | 131 | | | |
| AC55* | 98 | 96 | 131 | | | |
| AC60* | 98 | 101 | 131 | | | |

