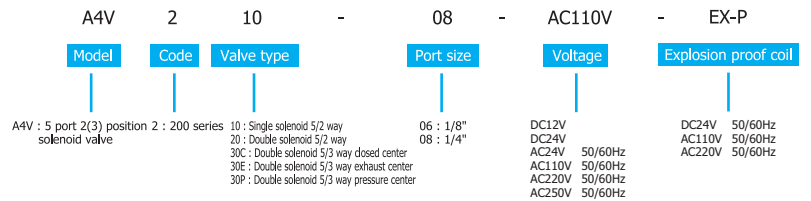


Pneumatic Equipment

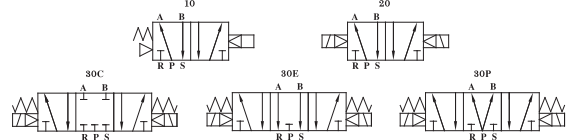
Solenoid Valve (A4V2 Series)



Ordering Code



Symbol



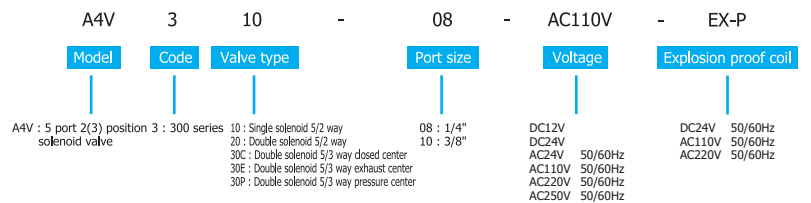
Specifications

| Model NO | | A4V210-06 | A4V220-06 | A4V230C-06 | A4V230E-06 | A4V230P-06 | A4V210-08 | A4V220-08 | A4V230C-08 | A4V230E-08 | A4V230P-08 |
|-----------------------|----------------------|---|------------------------------|--|--|---|-----------------------------|------------------------------|--|--|---|
| Port size (In) | inch | 1/8 | 1/8 | 1/8 | 1/8 | 1/8 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| Port size (Out) | inch | 1/8 | 1/8 | 1/8 | 1/8 | 1/8 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| Port size (Exhaust) | inch | 1/8 | 1/8 | 1/8 | 1/8 | 1/8 | 1/8 | 1/8 | 1/8 | 1/8 | 1/8 |
| Orifice size | mm ² (CV) | 14(0.78) | 14(0.78) | 12(0.67) | 12(0.67) | 12(0.67) | 16(0.89) | 16(0.89) | 12(0.67) | 12(0.67) | 12(0.67) |
| Valve type | | 10: 5/2 way single solenoid | 20: 5/2 way double solenoids | 30C: 5/3 way dosed center double solenoids | 30E: 5/3 way exhaust center double solenoids | 30P: 5/3 way pressure center double solenoids | 10: 5/2 way single solenoid | 20: 5/2 way double solenoids | 30C: 5/3 way dosed center double solenoids | 30E: 5/3 way exhaust center double solenoids | 30P: 5/3 way pressure center double solenoids |
| Media | | Air | | | | | | | | | |
| Action type | | Internal pilot | | | | | | | | | |
| Pressure range | kgf/cm ² | 1.50 ~ 8.00 | | | | | | | | | |
| Fluid temperature | °C (°F) | +5 ~ +60(+41 ~ +140) | | | | | | | | | |
| Maximum frequencies | cycle/sec | 5 | | | | | | | | | |
| Maximum activate time | sec | 0.05 | | | | | | | | | |
| Power consumption | | AC 4.50 VA, DC 3.00 W ~ 6.00 W | | | | | | | | | |
| Voltage | | AC24V:AC24V 50/60Hz, AC110V:AC110V 50/60Hz, AC220V:AC220V 50/60Hz, DC12V:DC12V, DC24V:DC24V | | | | | | | | | |
| Voltage range | % | ±10 | | | | | | | | | |
| Protection | | IP65 (DIN40050) | | | | | | | | | |
| Connection | | Socket with plug | | | | | | | | | |
| Lubrication | | Non-lubricated | | | | | | | | | |
| Material of body | | Aluminum alloy | | | | | | | | | |
| Insulation | | F class | | | | | | | | | |

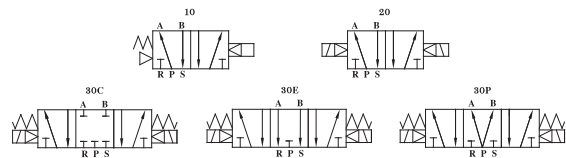
Solenoid Valve (A4V3 Series)



Ordering Code



Symbol



Specifications

| Model NO | | A4V310-08 | A4V320-08 | A4V330C-08 | A4V330E-08 | A4V330P-08 | A4V310-10 | A4V320-10 | A4V330C-10 | A4V330E-10 | A4V330P-10 |
|-----------------------|----------------------|---|------------------------------|--|--|---|-----------------------------|------------------------------|--|--|---|
| Port size (In) | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| Port size (Out) | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| Port size (Exhaust) | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| Orifice size | mm ² (CV) | 25(1.40) | 25(1.40) | 18(1.00) | 18(1.00) | 18(1.00) | 30(1.68) | 30(1.68) | 18(1.00) | 18(1.00) | 18(1.00) |
| Valve type | | 10: 5/2 way single solenoid | 20: 5/2 way double solenoids | 30C: 5/3 way dosed center double solenoids | 30E: 5/3 way exhaust center double solenoids | 30P: 5/3 way pressure center double solenoids | 10: 5/2 way single solenoid | 20: 5/2 way double solenoids | 30C: 5/3 way dosed center double solenoids | 30E: 5/3 way exhaust center double solenoids | 30P: 5/3 way pressure center double solenoids |
| Media | | Air | | | | | | | | | |
| Action type | | Internal pilot | | | | | | | | | |
| Pressure range | kgf/cm ² | 1.50 ~ 8.00 | | | | | | | | | |
| Fluid temperature | °C (°F) | +5 ~ +60(+41 ~ +140) | | | | | | | | | |
| Maximum frequencies | cycle/sec | 4 | | | | | | | | | |
| Maximum activate time | sec | 0.05 | | | | | | | | | |
| Power consumption | | AC 4.50 VA, DC 3.00 W ~ 6.00 W | | | | | | | | | |
| Voltage | | AC24V:AC24V 50/60Hz, AC110V:AC110V 50/60Hz, AC220V:AC220V 50/60Hz, DC12V:DC12V, DC24V:DC24V | | | | | | | | | |
| Voltage range | % | ±10 | | | | | | | | | |
| Protection | | IP65 (DIN40050) | | | | | | | | | |
| Connection | | Socket with plug | | | | | | | | | |
| Lubrication | | Non-lubricated | | | | | | | | | |
| Material of body | | Aluminum alloy | | | | | | | | | |
| Insulation | | F class | | | | | | | | | |