



Process Technology B.V.

VC-9000 Valve Controller



Technical Datasheet

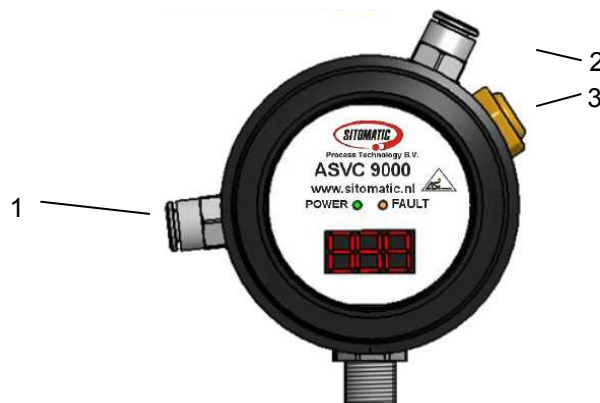


General data

Mechanical data	
Body material	: POMC (Polyacetal)
Color	: Black
Screw cover	: PC (polycarbonate)
Color	: Smoked transparent
Air connector (2x)	: Brass nickel plated
Thread	: 1/8"
Tube Ø	: 6mm
Supply pressure	: 1-7 bar
No. of solenoids	: 1-2
Nominal airflow	: 180 NI/min
Silencer	: Sintered bronze
Stroke range	: Linear 5-70mm, Rotating 360°
Ambient temperature	: -10°C+50°C (non-freezing air)
Relative humidity	: ≤ 80%
IP rating	: IP67 (with cover)
Dimensions [HxD mm]	: 110 x 70

Pneumatic

The valve controller has air connections with 1/8G metric thread. Normally plug- on fittings are installed for a 6mm air hose. Modifications for other air - fitting's are available upon request.



Pneumatic Connection		
Position	Description	Code
1	Supply	P
2	Actuator	A
3	Release	R



Direct I/O (8-Pole)

Electrical data		
Power supply [V]	:	24V DC
Power Consumption	:	<1,5W or <50mA
Connector	:	M12x1 male
No. of pins	:	8
Pin lay-out	:	
1. Solenoid 1	:	White
2. N.C.	:	Brown
3. Calibration	:	Green
4. N.C.	:	Yellow
5. 24VDC	:	Grey
6. Open feedback	:	Violet
7. Close feedback	:	Blue
8. GND	:	Red

Front view male connector

Direct I/O 24V DC (5-Pole)

Electrical data		
Power supply [V]	:	24 V DC
Power Consumption	:	<1,5W or <50mA
Connector	:	M12x1 male
No. of pins	:	5
Pin lay-out	:	
1. 24V DC	:	Brown
2. Open feedback	:	White
3. Gnd	:	Blue
4. Close feedback	:	Black
5. Solenoid 1	:	Grey

Front view male connector

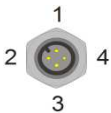
Direct I/O 110V AC (5-Pole)

Electrical data		
Power supply [V]	:	110 V AC
Connector	:	M12x1 male
No. of pins	:	5
Pin lay-out	:	
1. 110V AC Vcc	:	Brown
2. Open feedback	:	White
3. 110V AC Gnd	:	Blue
4. Close feedback	:	Black
5. Solenoid 1	:	Grey

Front view male connector



AS-I

Electrical data	
Power supply [V]	: 26.5 ... 31.6 V DC
Power Consumption	: <1,5W or <50mA
Connector	: M12x1 male
No. of pins	: 4
Pin lay-out	: Front view male connector
1. AS-I +	: Brown
2. N.C.	: 
3. AS-I -	: Blue
4. N.C.	:
S3 configuration	: DO 0 = - DO 1 = Calibration DO 2 = Solenoid 1 DO 3 = - DI 0 = Open feedback DI 1 = Close feedback DI 2 = - DI 3 = -
SD configuration	: DO 0 = Solenoid 1 DO 1 = Calibration DO 2 = - DO 3 = - DI 0 = - DI 1 = - DI 2 = Close feedback DI 3 = Open feedback