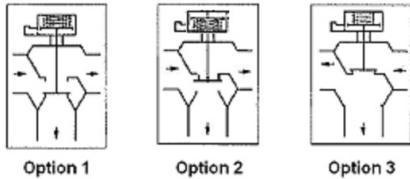
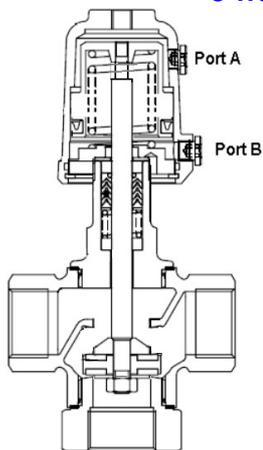
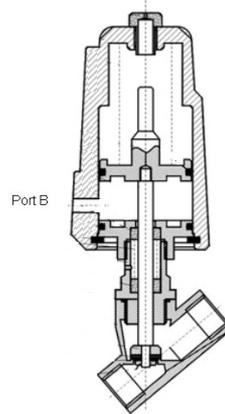


3 Way Double Acting



2 Way Normally Closed



Pneumatic Actuator Inlet Port Sizing

1/8 BSP: Actuators 40mm, 50mm, 63mm and 80mm

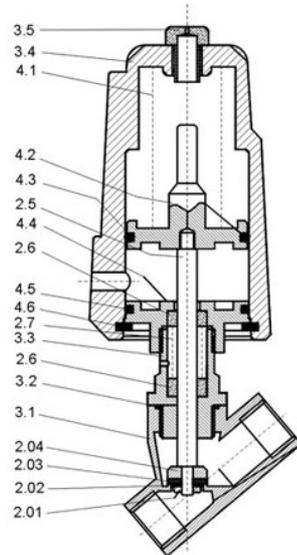
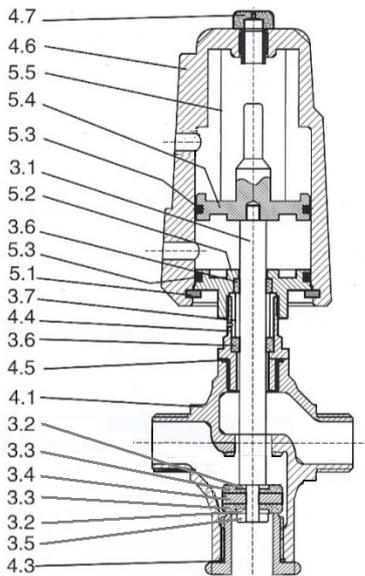
1/4 BSP: Actuators 100mm and 125mm

Actuator Piping

Normally Closed Valves: Air inlet Port B (5 to 8 Bar) – Port A is Exhaust

Normally Open Valves: Air Inlet Port A (5 to 8 Bar) – Port B is Exhaust

Double Acting Valves: Air Inlet Port B (to open) and Inlet Port A (To Close)



Parts List

3.1 Stem	4.1 Valve Body	5. Back up ring
3.2 Gasket	4.2 Screw connector	5.2 Cylinder head
3.3 PTFE Seal	4.3 Seal ring	5.3 O Ring
3.4 Disc	4.4 Screw connector	5.4 Piston
3.5 Lock Nut	4.5 seal ring	5.5 Spring
3.6 Spindle Seal	4.6 Cylinder	
3.7 Spring	4.7 Position Window	

Parts List

2.01 Bolt	3.1 Body	4.1 Spring
2.02 Orifice Seal	3.2 Seal Ring	4.2 Piston
2.03 Disc Seal	3.3 Screw connector	4.3 O ring
2.04 Disc	3.4 Cylinder	4.4 Bonnet
2.5 Steam	3.5 Cover	4.5 O Ring
2.6 V Seal		4.6 Bearing Ring
2.7 Spring		

Instructions for Installation Operation and Maintenance of Angle Seat Piston Valves

Installation notice

1. Make sure that the working parameters of the pneumatic valve are in accordance with the required technical requirements.
2. Make sure the valve cylinder and position indicators are undamaged.
3. Clean the inside of the pipe of the pneumatic valve of any debris please also install a filter valve in the front of the valve inlet.
4. Install as per direction of the arrow on the valve body for high pressure or opposite for Anti-hammer; Connect the valve mouth to the pipe and make sure the connection is well sealed.
5. If the pneumatic valves are equipped with electric valve, please insure that the connection is well sealed.
6. Avoid heating the seals of the pneumatic valve if welding.

Notices of installation of pneumatic valve and Control Solenoid Valve

1. Keep the control air, fluid or gas clean to prevent blocking the solenoid control valve.
2. Don't touch the coil while solenoid valve is energised, as it will be hot.
3. Don't take off the coil while the solenoid coil is energised, as it will burn out.
4. Don't hit the coil, solenoid pipe and the connecting part to cause any damage.
5. Don't cover the coil of the solenoid control valve as it will over-heat and burn out.
6. The actual supply voltage of the solenoid valve should not exceed the tolerance.
7. The working pressure, working temperature, viscosity of the medium should not exceed the specified scope.

Maintenance

1. Before disassembling the pneumatic valve, drain the fluid inside the cylinder and the media from inside the valve. Thoroughly clean the media if it is inflammable, potentially explosive or high temperature or high pressure or it is toxic or corrosive.
2. Step of Disassemble pneumatic valve:
 - A. Disassembly of cylinder: Take off the locking ring, lift the cylinder and take it out. The piston, spring, position indicator and stem are visible.
 - B. Disassembly of valve body: loosen with spanner at the end of the valve cover.
 - C. Disassembly of seals: Disassemble the valve body, and the seals are at the end of the stem; remove the screw that fastens the seals.
4. Then assemble the valve step by step refer to the step of disassembling.
5. The parts such as seals, locking ring and spring should be assembled correctly. Tighten the connection properly; do not damage the seals or valve seat.
6. The maintained valve must pass the pressure and leakage test, and then it can be put into use.