

Solenoid Valve (Pilot actuated square type 1)

Solenoid Valve 010 Series

- 2-, 3-port small solenoid valves with width of 10mm and low power consumption of 1.7W.
- Best suited for the control of 2.5-10mm single acting cylinder operations and electropneumatic relays.

Operation type	Sonic conductance effective area	Port
Direct acting	0.04dm ³ /s.bar 0.2mm ²	M3



Solenoid Valve 030 Series

- The issues of downsizing; reduced weight; increased flow rate and decreased current have been solved by advanced technologies.
- The extensibility of the Series to satisfy more sophisticated requirements is fascinating; which includes various options; manifold for maximum 20 units due to newly-added Rc1/8 specification etc.

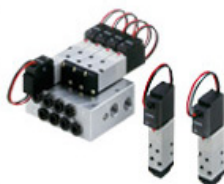
Operation type	Sonic conductance effective area	Port
Internal pilot	0.12dm ³ /s.bar 0.6mm ²	M5



Solenoid Valve 040 Series(Maintenance purpose)

- 2-, 3-5-port small solenoid valves with width of 10mm and low power consumption of 0.7W.
- Best suited for the control of 10-32mm double/single acting cylinder operations and electropneumatic relays.

Operation type	Sonic conductance effective area	Port
Internal pilot	0.3dm ³ /s.bar 1.5mm ²	M3



Solenoid Valve G110 Series

- Global model responds to all application such as the control of 20-40mm cylinder operations.
- Simple construction realizes basic performance; best price and versatile application.

Operation type	Sonic conductance effective area	Port
Internal pilot	0.76-0.84 dm ³ /s.bar 3.8-4.2mm ²	M5



Solenoid Valve 110 Series

- Abundant series configuration allowing for any application; including control of 20-40mm cylinder operations.
- Options provide easy installation and maintenance and make the valves easy to use.

Operation type	Sonic conductance effective area	Port
Internal pilot	0.72-0.84 dm ³ /s.bar 3.6-4.2mm ²	M5



Solenoid Valve 112 Series

- Despite of compact body size; 112 and 182 Series show versatile capabilities through the fully-equipped functions of 2-port and 3-port valves according to the adoption of external pilot system.

Operation type	Sonic conductance effective area	Port
External pilot	0.84dm ³ /s.bar 4.2mm ²	M5



Solenoid Valve G180 Series

- Global model responds to all application such as the control of 40-80mm cylinder operations.
- Simple construction realizes basic performance; best price and flexible application.

Operation type	Sonic conductance effective area	Port
Internal pilot	1.8-2.04 dm ³ /s.bar 9.0-10.2mm ²	Rc1/8



Solenoid Valve 180 Series

- Abundant series configuration allowing for any application; including the control of 20-80mm cylinder operations.
- Options provide easy installation and maintenance.

Operation type	Sonic conductance effective area	Port
Internal pilot	1.64-2.04 dm ³ /s.bar 8.2-10.2mm ²	Rc1/8



Solenoid Valve 182 Series

•Despite of compact body size; 112 and 182 Series show versatile capabilities through the fully-equipped functions of 2-port and 3-port valves according to the adoption of external pilot system.

Operation type	Sonic conductance effective area	Port
External pilot	1.64-2.04 dm ³ /s.bar 8.2-10.2mm ²	Rc1/8



Solenoid Valve 240 Series

•Best suited for the control of operations of mid-sized actuators with cylinder diameter of 50-100mm.

•This series is intended for job-site applications through the use of such features as plug-in type lead wire connections and stacking type manifolds.

Operation type	Sonic conductance effective area	Port
Internal pilot	3-3.2 dm ³ /s.bar 15-16mm ²	Rc1/4



Solenoid Valve 300 Series

•Best suited for the control of operations of mid-sized actuators with cylinder diameter of 50-100mm.

•By combining a lip seal type main valve with a poppet type pilot valve; high reliability is achieved even without lubrication.

Operation type	Sonic conductance effective area	Port
Internal pilot	4-5 dm ³ /s.bar 20-25mm ²	Rc1/4.Rc3/8



Solenoid Valve 430 Series

•Corresponds to 50-125mm actuators. Stacking system for easy change in the number of stations is made through plug-in method.

•Multi-connector and D-sub connector are available. Separate wiring is possible on each station.

Operation type	Sonic conductance effective area	Port
Internal pilot	6-8 dm ³ /s.bar 30-40mm ²	Rc1/4.Rc3/8



Solenoid Valve 600 Series

•Best suited for the control of operations of large actuators with cylinder diameter of 100-180mm.

•By combining a lip seal type main valve with a poppet type pilot valve; high reliability is achieved even without lubrication.

Operation type	Sonic conductance effective area	Port
Internal pilot	12dm ³ /s.bar 60mm ²	Rc3/8.Rc1/2



Solenoid Valve 630 Series

•Corresponds to 100-180mm actuators.

Stacking system for easy change in the number of stations is made through plug-in method.

•Multi-connector and D-sub connector are available. Separate wiring is possible on each station.

Operation type	Sonic conductance effective area	Port
Internal pilot	9-12 dm ³ /s.bar 45-60mm ²	Rc3/8.Rc1/2



Solenoid Valve 830 Series

•Corresponds to 125-300mm actuators.

Stacking system for easy change in the number of stations is made through plug-in method.

•Multi-connector and D-sub connector are available. Separate wiring is possible on each station.

Operation type	Sonic conductance effective area	Port
Internal pilot	20-24 dm ³ /s.bar 100-120mm ²	Rc1/2.Rc3/4

