High Capacity & Simple Choices

5 Port Solenoid Valves **SY3000/5000/7000/9000**

Low power consumption: 0.5W

(Current value: 21mA at 24VDC)

Low power consumption enables direct operation by a PLC, and cost savings are realized through the use of a smaller power supply and switching elements and the elimination of relay cards.

[An energy saving type [0.22W] is also available. Refer to page 1.2-177 for details.]

Compact design with high flow capacity of 1668.6 to 2944.5 N/min with the same body width

The same size cylinder can be driven with a valve one physical size smaller than a conventional type, contributing greatly to both space and cost savings.

Valves to drive cylinders of sizes ø6 to ø200

Pressure: 0.5MPa, Load factor: 50%

| Base mounted (sub-plate) | _ | Cylinder speed mm/s | | Cylinder bore size mm | | | | | | | | | | | | | | | |
|--------------------------------|--------|---------------------------|------------|-----------------------|-----|------------|-----|-----|-----|---------------|-----|-----|-----|------------|------|------|------|------|------|
| | NI/min | | Series CJ2 | | | Series CM2 | | | | Series MB/CA1 | | | | Series CS1 | | | | | |
| | | | ø6 | ø10 | ø16 | ø20 | ø25 | ø32 | ø40 | ø40 | ø50 | ø63 | ø80 | ø100 | ø125 | ø140 | ø160 | ø180 | ø200 |
| SY3000 | 294.5 | 150 | | | | | | | | | | | | | | | | | |
| | | 300 | | | | | | | | | | | | | | | | | |
| | | 450 | | | | | | | | | | | | | | | | | |
| | | 600 | | | | | | | | | | | | | | | | | |
| | | 750 | | | | | | | | | | | | | | | | | |
| SY5000 | 687 | 150 | | | | | | | | | | | | | | | | | |
| | | 300 | | | | | | | | | | | | | | | | | |
| | | 450 | | | | | | | | | | | | | | | | | |
| | | 600 | | | | | | | | | | | | | | | | | |
| | | 750 | | | | | | | | | | | | | | | | | |
| SY7000 | 1177.8 | 150 | | | | | | | | | | | | | * | * | | | |
| | | 300 | | | | | | | | | | | * | * | | | | | |
| | | 450 | | | | | | | | | | * | * | | | | | | |
| | | 600 | | | | | | | | | | * | | | | | | | |
| | | 750 | | | | | | | | | * | * | | | | | | | |
| SY9000 | | 150 | | | | | | | | | | | | | | | * | * | * |
| | | 300 | | | | | | | | | | | | * | * | * | | | |
| | 2748.2 | 450 | | | | | | | | | | | * | * | | | | | |
| | | 600 | | | | | | | | | | * | * | * | | | | | |
| | | 750 | | | | | | | | | | * | * | | | | | | |



- * Cylinder speeds are for extension of the cylinder.
- * The "*" symbol indicates conditions with SGP (steel piping).

Long life exceeding 50 million cycles

(Based on SMC life test conditions.)

Long life is achieved by a new pilot design, guide rings that prevent main valve eccentricity, and a stronger return force.





SY3000/5000/7000/9000 Body Ported Type Single Valve

How to Order

