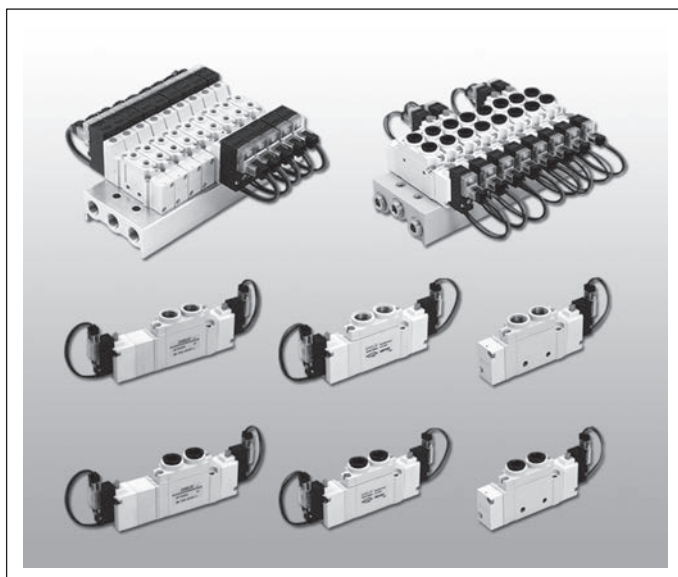


## Directional control - SR series Solenoid valve

Solenoid valve - SR300 , SR500 , SR700 , SR900

CHELIC PNEUMATIC



Provide CAD external dimension.

Small size, big flow rate!  
high speed , react quickly ; ( Under 10 ms )  
with indicator light and voltage protection circuit ;  
air hole can be changed and be added connector.

|                                                            |                 |                                 |          |
|------------------------------------------------------------|-----------------|---------------------------------|----------|
| <b>Solenoid valve single coil</b><br>(5 ports 2 positions) | SR - 300 series | M5                              | P.2-1.53 |
|                                                            | SR - 500 series | Rc 1/8" , Ø4 , Ø6 , Ø8          | P.2-1.56 |
|                                                            | SR - 700 series | Rc 1/8" , 1/4" , Ø6 , Ø8 , Ø10  | P.2-1.63 |
|                                                            | SR - 900 series | Rc 1/4" , 3/8" , Ø8 , Ø10 , Ø12 | P.2-1.70 |

|                                                             |                 |                                 |          |
|-------------------------------------------------------------|-----------------|---------------------------------|----------|
| <b>Solenoid valve double coils</b><br>(5 ports 2 positions) | SR - 300 series | M5                              | P.2-1.53 |
|                                                             | SR - 500 series | Rc 1/8" , Ø4 , Ø6 , Ø8          | P.2-1.56 |
|                                                             | SR - 700 series | Rc 1/8" , 1/4" , Ø6 , Ø8 , Ø10  | P.2-1.63 |
|                                                             | SR - 900 series | Rc 1/4" , 3/8" , Ø8 , Ø10 , Ø12 | P.2-1.70 |

|                                                             |                 |                                 |          |
|-------------------------------------------------------------|-----------------|---------------------------------|----------|
| <b>Solenoid valve double coils</b><br>(5 ports 3 positions) | SR - 300 series | M5                              | P.2-1.54 |
|                                                             | SR - 500 series | Rc 1/8" , Ø4 , Ø6 , Ø8          | P.2-1.58 |
|                                                             | SR - 700 series | Rc 1/8" , 1/4" , Ø6 , Ø8 , Ø10  | P.2-1.65 |
|                                                             | SR - 900 series | Rc 1/4" , 3/8" , Ø8 , Ø10 , Ø12 | P.2-1.71 |

|                                                                                     |                 |    |          |
|-------------------------------------------------------------------------------------|-----------------|----|----------|
| <b>Solenoid valve single coil</b><br>(3 ports 2 positions)<br>(Direct operate type) | SR - 100 series | M5 | P.2-1.76 |
|-------------------------------------------------------------------------------------|-----------------|----|----------|

**SM**  
Solenoid  
Valve

**SMB**  
Solenoid  
Valve

**SMU**  
Solenoid  
Valve

**SMUB**  
Solenoid  
Valve

**SR**  
Solenoid  
Valve

**SRB**  
Solenoid  
Valve

**SRU**  
Solenoid  
Valve

**SRUB**  
Solenoid  
Valve

**SRK**  
Solenoid  
Valve

**SK**  
Solenoid  
Valve

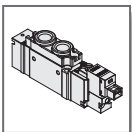
**SNK**  
Solenoid  
Valve

**SKU**  
Solenoid  
Valve

**SV**  
Solenoid  
Valve

**SN**  
Solenoid  
Valve

**SV310**  
Solenoid  
Valve

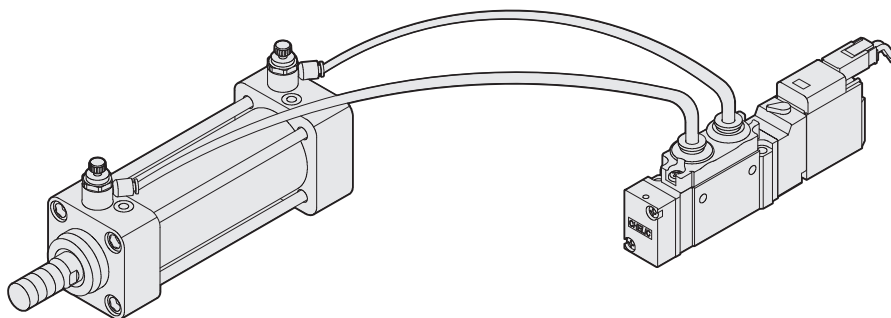


## SR series - Solenoid valve

Flow rate and Applicable cylinder

CHELIC PNEUMATIC

### Applicable cylinder ( Reference )



● Max. driving speed of the cylinder ( Length of piping : 1mm , diameter Ø8 ) ( diameter : Ø10 )

| Model | CV Value | Cylinder speed<br>mm/s | SDA,DB,FDA series |     |     |     |     |     | DMB,DN,DU series |     |     |     |      |
|-------|----------|------------------------|-------------------|-----|-----|-----|-----|-----|------------------|-----|-----|-----|------|
|       |          |                        | Ø12               | Ø16 | Ø20 | Ø25 | Ø32 | Ø40 | Ø40              | Ø50 | Ø63 | Ø80 | Ø100 |
| SR300 | 0.2      | 100                    |                   |     |     |     |     |     |                  |     | ●   |     |      |
|       |          | 200                    |                   |     |     |     |     |     |                  | ●   |     |     |      |
|       |          | 300                    |                   |     |     |     |     | ●   | ●                |     |     |     |      |
|       |          | 400                    |                   |     |     |     | ●   |     |                  |     |     |     |      |
|       |          | 500                    |                   |     |     | ●   |     |     |                  |     |     |     |      |
|       |          | 600                    |                   |     | ●   |     |     |     |                  |     |     |     |      |
| SR500 | 0.5      | 150                    |                   |     |     |     |     |     |                  |     | ●   |     |      |
|       |          | 300                    |                   |     |     |     |     |     |                  | ●   |     |     |      |
|       |          | 450                    |                   |     |     |     | ●   | ●   | ●                |     |     |     |      |
|       |          | 600                    |                   |     |     | ●   |     |     |                  |     |     |     |      |
|       |          | 750                    |                   |     | ●   |     |     |     |                  |     |     |     |      |
|       |          | 900                    | ●                 | ●   |     |     |     |     |                  |     |     |     |      |
| SR700 | 0.9      | 150                    |                   |     |     |     |     |     |                  |     |     |     | ●    |
|       |          | 300                    |                   |     |     |     |     |     |                  |     |     | ●   |      |
|       |          | 450                    |                   |     |     |     |     | ●   |                  |     | ●   |     |      |
|       |          | 600                    |                   |     |     |     | ●   |     |                  | ●   |     |     |      |
|       |          | 750                    |                   |     |     | ●   |     |     | ●                |     |     |     |      |
|       |          | 900                    |                   |     | ●   |     |     |     |                  |     |     |     |      |
| SR900 | 1.7      | 150                    |                   |     |     |     |     |     |                  |     |     |     | ●    |
|       |          | 300                    |                   |     |     |     |     |     |                  |     | ●   | ●   |      |
|       |          | 450                    |                   |     |     |     |     | ●   | ●                | ●   |     |     |      |
|       |          | 600                    |                   |     | ●   | ●   | ●   |     |                  |     |     |     |      |
|       |          | 750                    |                   |     |     |     |     |     |                  |     |     |     |      |
|       |          | 900                    |                   |     |     |     |     |     |                  |     |     |     |      |

**SM**  
Solenoid  
Valve

**SMB**  
Solenoid  
Valve

**SMU**  
Solenoid  
Valve

**SMUB**  
Solenoid  
Valve

**SR**  
Solenoid  
Valve

**SRB**  
Solenoid  
Valve

**SRU**  
Solenoid  
Valve

**SRUB**  
Solenoid  
Valve

**SRK**  
Solenoid  
Valve

**SK**  
Solenoid  
Valve

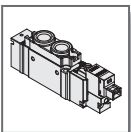
**SNK**  
Solenoid  
Valve

**SKU**  
Solenoid  
Valve

**SV**  
Solenoid  
Valve

**SN**  
Solenoid  
Valve

**SV310**  
Solenoid  
Valve

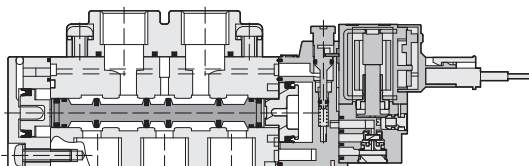
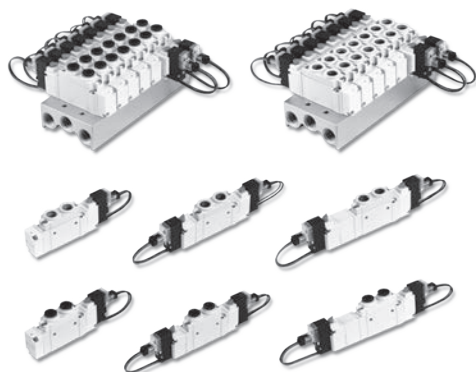


# SR 300 、 500 、 700 、 900 series - Solenoid valve

Operating specification and Order expression

CHELIC PNEUMATIC

## Internal structure



**SM**  
Solenoid Valve

**SMB**  
Solenoid Valve

**SMU**  
Solenoid Valve

**SMUB**  
Solenoid Valve

**SR**  
Solenoid Valve

**SRB**  
Solenoid Valve

**SRU**  
Solenoid Valve

**SRUB**  
Solenoid Valve

**SRK**  
Solenoid Valve

**SK**  
Solenoid Valve

**SNK**  
Solenoid Valve

**SKU**  
Solenoid Valve

**SV**  
Solenoid Valve

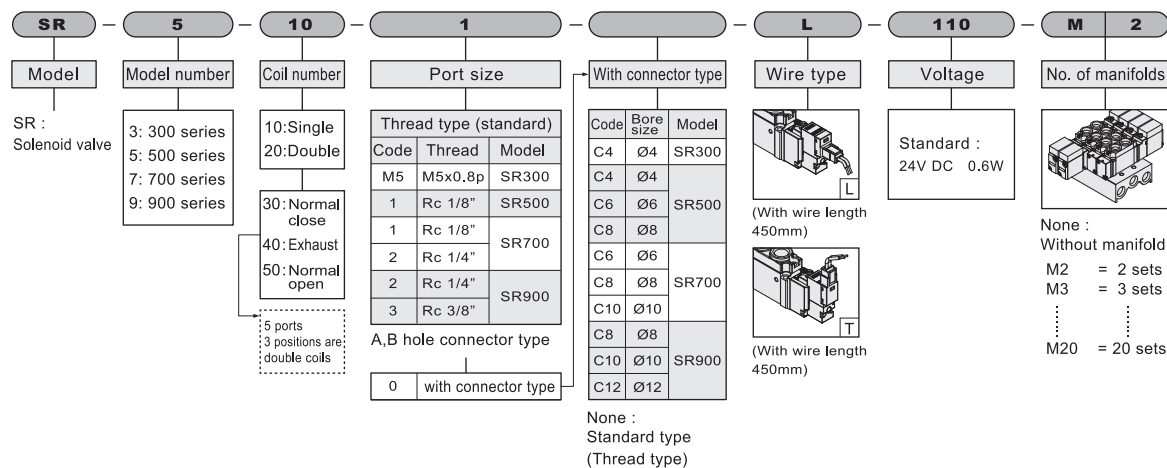
**SN**  
Solenoid Valve

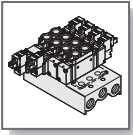
**SV310**  
Solenoid Valve

## Specification

| Item \ Model                       | SR300                      |                        | SR500                  |                        | SR700                                         |                        | SR900                  |                        |
|------------------------------------|----------------------------|------------------------|------------------------|------------------------|-----------------------------------------------|------------------------|------------------------|------------------------|
| Fluid                              | Air                        |                        |                        |                        |                                               |                        |                        |                        |
| Pressure range    kgf/cm²(Kpa)     | 1.5 ~ 7 (150 ~ 700)        |                        |                        |                        |                                               |                        |                        |                        |
| Range of service temperature   °C  | 0 ~ 50                     |                        |                        |                        |                                               |                        |                        |                        |
| Operating method                   | Pilot operated             |                        |                        |                        |                                               |                        |                        |                        |
| Number of position ports           | 5 ports<br>2 positions     | 5 ports<br>3 positions | 5 ports<br>2 positions | 5 ports<br>3 positions | 5 ports<br>2 positions                        | 5 ports<br>3 positions | 5 ports<br>2 positions | 5 ports<br>3 positions |
| Valve functions                    | Normal closed              |                        |                        |                        |                                               |                        |                        |                        |
| Orifice                    mm²(CV) | 3.6 ( 0.2 )                |                        | 9 ( 0.5 )              |                        | 16.2 ( 0.9 )                                  |                        | 30.6 ( 1.7 )           |                        |
| Manual button                      | Push and lock              |                        |                        |                        |                                               |                        |                        |                        |
| Connection port                    | M5 , Rc 1/8 , Ø4 , Ø6 , Ø8 |                        |                        |                        | Rc1/8 , Rc 1/4 , Rc 3/8 , Ø6 , Ø8 , Ø10 , Ø12 |                        |                        |                        |
| Lubrication                        | Lubrication free type      |                        |                        |                        |                                               |                        |                        |                        |

## How to order



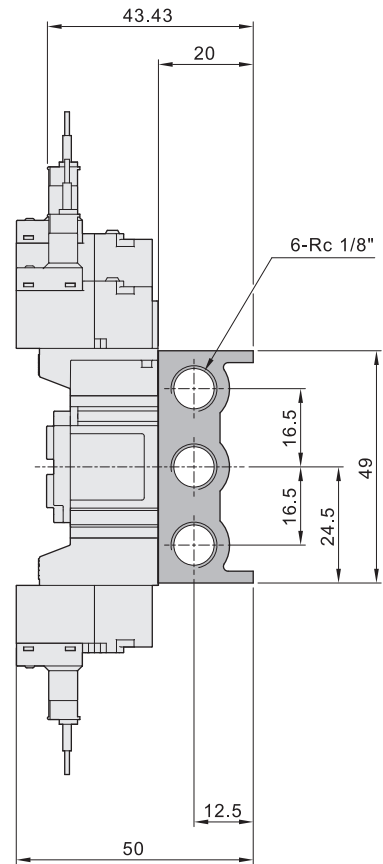
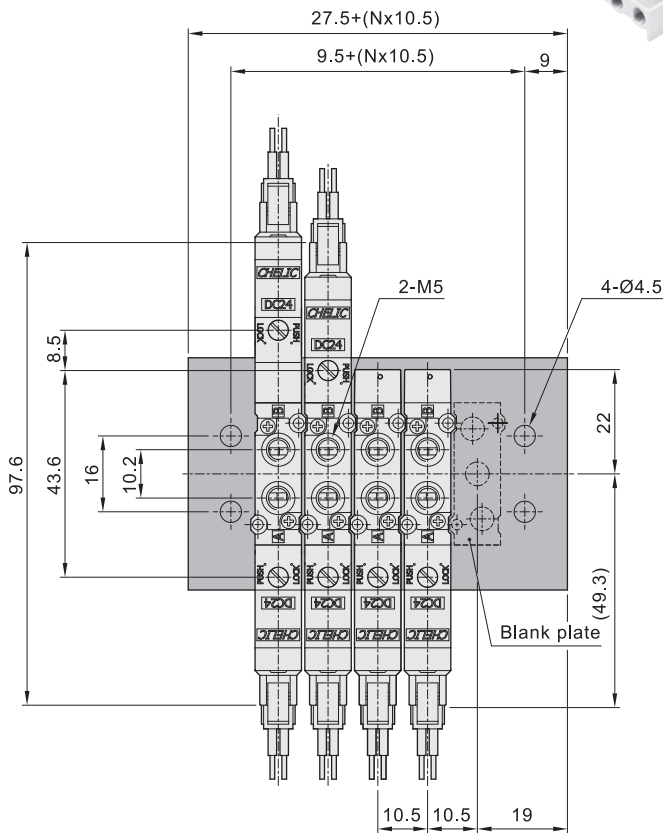
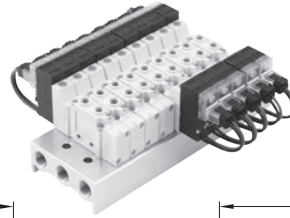


# SR series Solenoid valve - SR 300

External dimension / Manifold type

CHELIC PNEUMATIC

## SR 300 series - Standard Manifold dimension



● Note: Blank plate with rubber lining is reserved for temporary storage space of solenoid valves.

**SM**  
Solenoid  
Valve

**SMB**  
Solenoid  
Valve

**SMU**  
Solenoid  
Valve

**SMUB**  
Solenoid  
Valve

**SR**  
Solenoid  
Valve

**SRB**  
Solenoid  
Valve

**SRU**  
Solenoid  
Valve

**SRUB**  
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Valve

**SRK**  
Solenoid  
Valve

**SK**  
Solenoid  
Valve

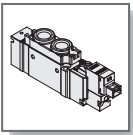
**SNK**  
Solenoid  
Valve

**SKU**  
Solenoid  
Valve

**SV**  
Solenoid  
Valve

**SN**  
Solenoid  
Valve

**SV310**  
Solenoid  
Valve



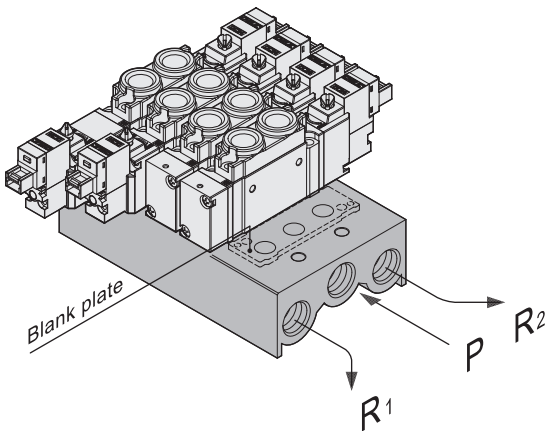
# SR series - Solenoid valve

## Accessories and Installation

CHELIC PNEUMATIC

### Manifold

SR-300 , 500 , 700 , 900 series



### Manifold

SR-300 , 500 , 700 , 900 series

※ The accessories of blank plate.



#### Blank plate

SR-300 series  
SR-500 series  
SR-700 series  
SR-900 series

MSM03041  
MSM05041  
MSM07041  
MSM09041

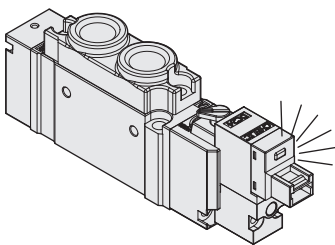
#### Rubber lining

MSM03039  
MSM05039  
MSM07039  
MSM09039

#### Mounting screw

M2×8L MSM03040  
M4×8L MSM05040  
M4×8L MSM07040  
M3×8L MSM09040

### With indicator light all this series with indicator light and voltage protection circuit



**SM**  
Solenoid  
Valve

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Solenoid  
Valve

**SMU**  
Solenoid  
Valve

**SMUB**  
Solenoid  
Valve

**SR**  
Solenoid  
Valve

**SRB**  
Solenoid  
Valve

**SRU**  
Solenoid  
Valve

**SRUB**  
Solenoid  
Valve

**SRK**  
Solenoid  
Valve

**SK**  
Solenoid  
Valve

**SNK**  
Solenoid  
Valve

**SKU**  
Solenoid  
Valve

**SV**  
Solenoid  
Valve

**SN**  
Solenoid  
Valve

**SV310**  
Solenoid  
Valve