

## SHUT OFF VALVE (ELECTRICAL)

### Series GS4

Cat No GS4 - 01 - 02 - A

### SHUT OFF VALVE (Electrical) - G1/4 & G1/2

#### Features

- ☐ High flow rate
- ☐ Manual operator (Push type)
- ☐ Flush type pressure gauge mounting option available at both sides
- ☐ Facility to attach silencer at exhaust port to reduce the noise
- ☐ Quick release bayonet type bottom plug
- ☐ Suitable for modular mounting
- ☐ Clean design



#### Function

- ☐ 3/2 normally closed valve for pressurisation and exhaustion of pneumatic system

#### Technical Specifications

| Model                          | GS4361S...                                                                                    |      | GS4563S...                    |
|--------------------------------|-----------------------------------------------------------------------------------------------|------|-------------------------------|
| Medium                         | Compressed air, Filtered                                                                      |      |                               |
| Port Size                      | Inlet, Outlet, Exhaust - G1/4                                                                 |      | Inlet, Outlet, Exhaust - G1/2 |
| Type                           | 3/2 NC                                                                                        |      |                               |
| Operating pressure range (bar) | 2 to 10                                                                                       |      |                               |
| Ambient temperature ** (C)     | -10° to +50°                                                                                  |      |                               |
| Medium temperature (C)         | +5° to +50°                                                                                   |      |                               |
| Flow rate @ (lts/min.)         | 1 to 2                                                                                        | 2800 | 8500                          |
|                                | 2 to 3                                                                                        | 1400 | 3700                          |
| <b>Electrical</b>              |                                                                                               |      |                               |
| Coil width                     | 15 mm                                                                                         |      |                               |
| Voltage (±10 %)                | 12V DC, 24V DC, 110V AC, 220V AC                                                              |      |                               |
| Power consumption              | DC - 2.5 W, AC - 3 VA                                                                         |      |                               |
| Type of coil protection        | IP40                                                                                          |      |                               |
| Duty cycle                     | Continuous                                                                                    |      |                               |
| Class of insulation            | Class F                                                                                       |      |                               |
| Cable entry                    | PG7 (cable OD 4 to 6 mm)                                                                      |      |                               |
| Manual override                | Push type                                                                                     |      |                               |
| Materials of construction      | Die cast Aluminium, Brass, Steel, Polyamide, PPS, Copper, Nitrile, Aluminium, Stainless steel |      |                               |
| Optional accessories *         | Clamp, Modular mounting kit, Silencer                                                         |      |                               |
| Weight (kg)                    | 0.23                                                                                          |      | 0.55                          |

@ - Supply pressure 6.3 bar, Pressure drop  $\Delta p = 1$  bar

\* - For details refer optional accessories Cat No APA - 01 - 05 - A

\*\* - Ambient temperature +5° to +50° C for Pressure gauge and Pressure sensor model

**Note:** While connecting the valve check the direction of the air flow as per 1 to 2.

#### Caution:

- If the product is installed in closed atmosphere, provide proper ventilation to release the heat generated by the valve
- Supply air pressure as per specification, wrong air supply may damage the internal parts of the valve.
- Apply correct voltage as per the specification, incorrect voltage may cause malfunction or coil damage.
- While connecting the cable, ensure the diameter ( $\varnothing 4$  to  $\varnothing 6$ mm) of the cable should be as per the specification else it will not meet IP40 (Enclosure standards) and ensure the tightness of screws.
- Install a silencer in the exhaust port if the atmospheric air is dusty to prevent the dust entry and leakage in the valve.
- While connecting the silencer in the exhaust port, tight the silencer by hand or use a suitable wrench on the hexagonal flats to tight by 1/4 turn. Excess tightening torque may cause damage to threads.

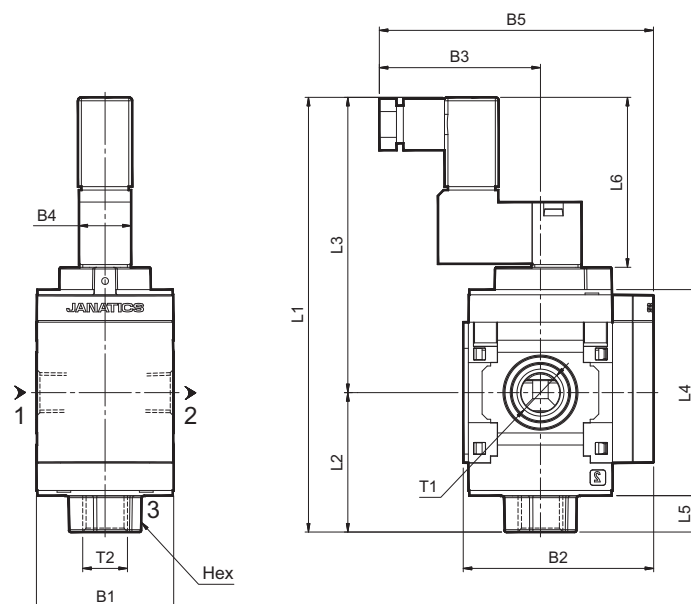
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## Series GS4

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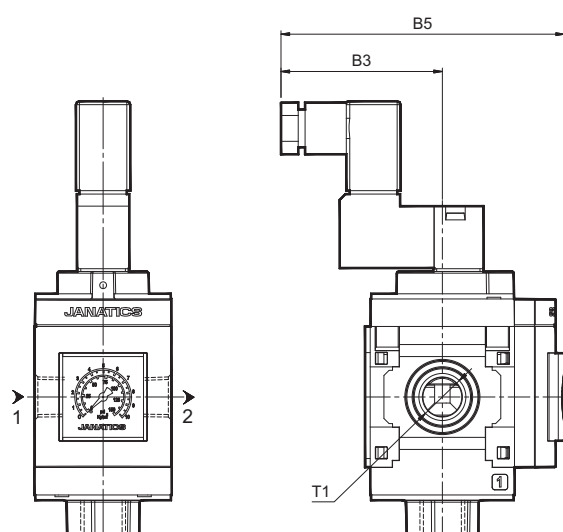
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Standard



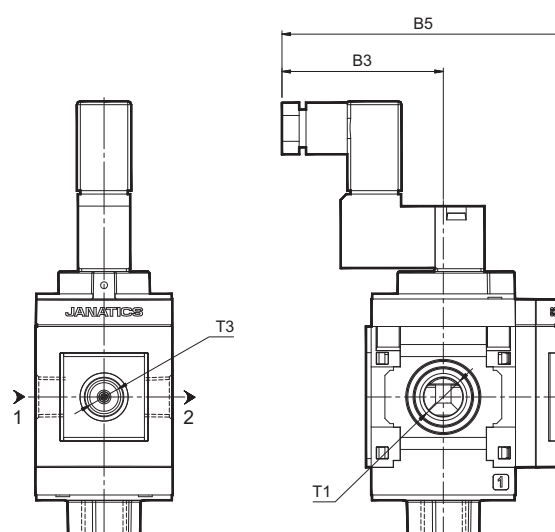
| Model No.            | T1   | T2   | Hex | B1 | B2   | B3 | B4   | B5   | L1  | L2 | L3  | L4 | L5   | L6   |
|----------------------|------|------|-----|----|------|----|------|------|-----|----|-----|----|------|------|
| <b>GS4361S...-F1</b> | G1/4 | G1/4 | 19  | 40 | 55.5 | 47 | 15.5 | 80   | 127 | 41 | 86  | 60 | 11   | 49.5 |
| <b>GS4563S...-F1</b> | G1/2 | G1/2 | 30  | 62 | 77.5 | 43 | 15.5 | 87.5 | 163 | 60 | 103 | 91 | 14.5 | 49.5 |

### With flush type pressure gauge



| Model No.         | T1   | B3 | B5   |
|-------------------|------|----|------|
| <b>GS4361S...</b> | G1/4 | 47 | 82.5 |
| <b>GS4563S...</b> | G1/2 | 43 | 87.5 |

### With adaptor plate (Suitable for 1/8" thread)



| Model No.            | T1   | T3   | B3 | B5   |
|----------------------|------|------|----|------|
| <b>GS4361S...-F2</b> | G1/4 | G1/8 | 47 | 82.5 |
| <b>GS4563S...-F2</b> | G1/2 | G1/8 | 43 | 87.5 |

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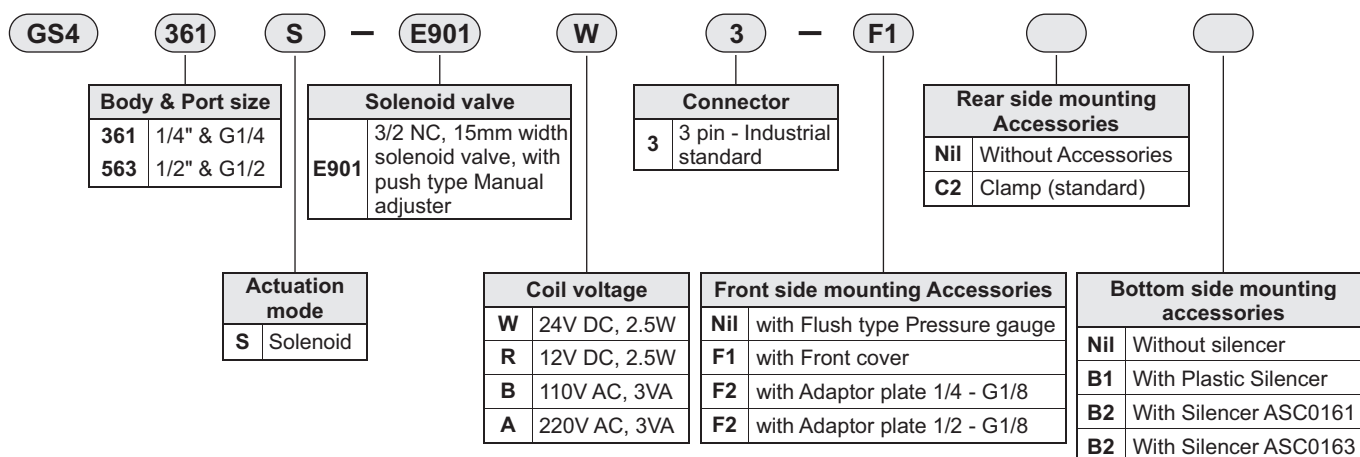
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### Precautions

1. Note the direction of flow before installation and connect piping accordingly.
2. Flush pipings for dirt, dust, rust and other foreign particles.
3. Install in clean atmosphere.
4. Nipples of taper threads (R) to be used with teflon tape. Ensure teflon tape does not enter the unit during tightening. Nipples of straight threads (G) to be used with sealing washer.

### How to order



### Ordering example:

Shut off valve (Electrical) - 1/4 size ( with G1/4 port ), Solenoid actuation, 3/2 NC solenoid valve, 24V DC coil, 3 pin, with Flush type pressure gauge, Clamp (standard) and with Silencer ASC0161 : Ordering No : **GS4361S-E901W3-C2B2**

If ordered as Shut off valve (Electrical) 1/4 our standard model **GS4361S-E901W3-F1**, Solenoid actuation, 3/2 NC solenoid valve, 24V DC coil, 3 pin and with Front cover will be supplied.