**Tightening force**

<table>
<thead>
<tr>
<th>Component</th>
<th>Tightening Force</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; NPT</td>
<td>2.2 to 2.7 Nm</td>
</tr>
<tr>
<td>3/8&quot; NPT</td>
<td>3.2 to 4.0 Nm</td>
</tr>
<tr>
<td>1/2&quot; NPT</td>
<td>4.2 to 5.3 Nm</td>
</tr>
<tr>
<td>3/4&quot; NPT</td>
<td>5.2 to 6.5 Nm</td>
</tr>
<tr>
<td>1&quot; NPT</td>
<td>6.2 to 8.0 Nm</td>
</tr>
</tbody>
</table>

**Pressure ratings**

- **Standard rating:** 1500 psi (10 bar)
- **Optional rating:** 3000 psi (20 bar)
- **Maximum recommended:** 4000 psi (28 bar)

**Operating pressure range**

- **4 position dual 3 port valve:** 0 to 100 psi (0 to 7 bar)
- **5 position dual 3 port valve:** 0 to 150 psi (0 to 10 bar)

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**Solenoid A**

- **Coil (EA) (P) (EB) (EA) (P) (EB)**
- **Zener diode**
- **Manual override** Non-locking push type

**Solenoid B**

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**Fig 18**

- **CAUTIONS**
  1. Be sure to cut off the power and the air supply, and confirm that no air is left in actuators, piping and manifolds before disassembly, as remaining air may cause an accident.
  2. If the tightening of the bolts is insufficient, it may cause air leakage before supplying air, check to confirm that there is no distance between the blocks and that rubber gaskets are assembled to every blocks. If it is missing the rubber, parts may leak and the specifications of IP65 and IP67 cannot be satisfied.

- **Fig 20**

  - **Blocking disk assembly**
    - [SUP Blocking disk] By installing a SUP blocking disk in the pressure supply passage of a manifold valve, it is possible to supply more than two different high and low pressure passages to one manifold.
    - [EXH Blocking disk] By installing an EXH blocking disk in the exhaust passage of a manifold valve, it is possible to divide the valves exhausted so that it does not affect another valve that can be used for combination, positive pressure and vacuum application. These blocking disks are needed to divide, exhausts. However, in case of 10C type manifold of series SV3000 and 4000, only 1 piece is required.

- **Fig 23**

  - **Silencer with one-touch fitting**
    - This silencer can be mounted on the manifold's port R (exhaust) with a single touch.

- **Fig 26**

  - **Silencer options**
    - When the valve is scheduled to be increased and maintains use.

- **Fig 25**

  - **Sticker for SUP blocking disk**
    - These stickers are to be put on valves in which SUP and/or EXH blocking disks have been installed so that confirmation is possible from the outside. Stickers are included in multiples of 10 pieces.

- **Fig 22**

  - **Additional fitting screw**
    - These screws are put on side valve SUP and/or EXH blocking disks, have been installed so that confirmation is possible from the outside. Stickers are included in multiples of 10 pieces.