### Practical tips

**Valves and actuators**  
**Mounting**

### Installation and function of three-port valves

<table>
<thead>
<tr>
<th>Three-port valves</th>
<th>Function</th>
<th>Actuators</th>
</tr>
</thead>
</table>
| ![Diagram](image1) | Mixing: From II and III to I  
Distribution: From I to II and III  
Gate II = Control port (sealing)  
Gate III = Bypass port (immersion seat) for all valves, only type VXG41 with sealing bypass port together with SQX actuators | With all actuator types:  
electric motor  
electro-hydraulic  
electro-magnetic |
| ![Diagram](image2) | Install mixer  
Open control port  
Close control port | Preferably using electro-hydraulic actuators |
| ![Diagram](image3) | Install as distributor  
Open control port  
Close control port |

### Actuator installation position

<table>
<thead>
<tr>
<th>Allowed</th>
<th>Not allowed</th>
<th>Actuators</th>
</tr>
</thead>
</table>
| ![Diagram](image4) | ![Diagram](image5) | Electric motor stroke actuator  
SQS35...65... for valve with 5.5 mm stroke |
| ![Diagram](image6) | ![Diagram](image7) | Electric motor rotary actuator  
SQR33... / SQR34... / SQR33... / SQR35...  
For plug and ball valve and butterfly valves |
| ![Diagram](image8) | ![Diagram](image9) | Electric motor stroke actuator SQX...  
For valve with 20 mm stroke |
| ![Diagram](image10) | ![Diagram](image11) | Electro-hydraulic stroke actuator  
SKR... / SKD...  
For valves with 20 mm stroke  
SKC...  
For valves with 40 mm stroke |