Changing the direction of pump rotation

**XV-2P with Flange ø36,5** (ref. XP-201)

When changing the direction of rotation of the XV-2P pump, it is not necessary to change the flange, as the same one is used. When disassembling and reassembling the pump, take special care to ensure that seals and back-up rings do not come out of place and that no foreign bodies, such as shavings or dirt in general, get inside the pump.

---

**FLANGE ø36,5** (ref. XP-201)

- **Remove the key, nut and washer from the shaft. Loosen and remove the fastening screws.**
- **Take off the flange.**
- **Take out the gears and upper bush.**
- **Invert the positions of the driven and driving shafts.**
- **Fit the previously removed flange back in place taking care to clean the body-base contact surfaces.**
- **Replace the screws and tighten the nuts with a torque of 54 Nm to 58.9 Nm. Check that the shaft turns on completing the operation.**

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**Note:** with this rotation change system, the **inlets** and **outlets** remain unchanged.
**XV2-P with Flange ø50 BH-HY** (ref. da XP- 210 a: XP- 213)

When changing the direction of rotation of the XV-2P pump, it is not necessary to change the flange, as the same one is used. When disassembling and reassembling the pump, take special care to ensure that seals and back-up rings do not come out of place and that no foreign bodies, such as shavings or dirt in general, get inside the pump.

---

**FLANGE ø50 BH-HY** (ref. da XP- 210 a: XP- 213)

| FLANGE ø50 BH-HY | Remove the key, nut and washer from the shaft. Loosen and remove the fastening screws. | Take off the flange. | Take out the gears and upper bush. | Invert the positions of the driven and driving shafts. | Fit the previously removed flange back in place taking care to clean the body-base contact surfaces. | Replace the screws and tighten the nuts with a torque of 54 Nm to 58.9Nm. Check that the shaft turns on completing the operation. |

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Note: with this rotation change system, the inlets and outlets remain unchanged.
Changing the direction of pump rotation

**XV2-P with Flange ø52 BH** (ref. XP-216)

When changing the direction of rotation of the XV-2P pump, it is not necessary to change the flange, as the same one is used.

When disassembling and reassembling the pump, take special care to ensure that seals and back-up rings do not come out of place and that no foreign bodies, such as shavings or dirt in general, get inside the pump.

<table>
<thead>
<tr>
<th>FLANGE ø52 BH (ref.XP-216)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Diagram" /></td>
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<tr>
<td><img src="image2.png" alt="Diagram" /></td>
</tr>
<tr>
<td><img src="image3.png" alt="Diagram" /></td>
</tr>
<tr>
<td><img src="image4.png" alt="Diagram" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Action 1</th>
<th>Action 2</th>
<th>Action 3</th>
<th>Action 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loosen and remove the fastening screws.</td>
<td>Take off the flange.</td>
<td>Take out the gears and upper bush.</td>
<td>Invert the positions of the driven and driving shafts.</td>
</tr>
<tr>
<td>Warning!! The bush must never be turned.</td>
<td>Warning! The body and cover must not be turned. Use the marking on the body as your reference.</td>
<td>Fit the previously removed flange back in place taking care to clean the body-base contact surfaces.</td>
<td>Replace the screws and tighten the nuts with a torque of 54 Nm to 58.9Nm. Check that the shaft turns on completing the operation.</td>
</tr>
</tbody>
</table>

Note: with this rotation change system, the **inlets** and **outlets** remain unchanged.
**XV2-P with Flange ø80** (ref. XP-217)

When changing the direction of rotation of the XV-2P pump, it is not necessary to change the flange, as the same one is used.
When disassembling and reassembling the pump, take special care to ensure that seals and back-up rings do not come out of place and that no foreign bodies, such as shavings or dirt in general, get inside the pump.

<table>
<thead>
<tr>
<th>FLANGE ø80 (ref. XP-217)</th>
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<tbody>
<tr>
<td><img src="image1" alt="Image 1" /></td>
</tr>
</tbody>
</table>

- **Remove the key nut and washer from the shaft. Loosen and remove the fastening screws.**
- **Take off the flange.**

- **Take out the gears and upper bush.**
  - Warning!! The bush must never be turned.

- **Invert the positions of the driven and driving shafts.**
  - Warning! The body and cover must not be turned. Use the marking on the body as your reference.

- **Fit the previously removed flange back in place taking care to clean the body-base contact surfaces.**

- **Replace the screws and tighten the nuts with a torque of 54 Nm to 58.9 Nm.**
  - Check that the shaft turns on completing the operation.

*Note: with this rotation change system, the inlets and outlets remain unchanged.*
**XV2-P with Flange ø82,5 SAE-A** (ref. da XP- 219 a: XP- 224)

When changing the direction of rotation of the XV-2P pump, it is not necessary to change the flange, as the same one is used.

When disassembling and reassembling the pump, take special care to ensure that seals and back-up rings do not come out of place and that no foreign bodies, such as shavings or dirt in general, get inside the pump.

<table>
<thead>
<tr>
<th>FLANGE ø82,5 SAE-A (ref. XP- 219)</th>
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<tbody>
<tr>
<td><img src="image" alt="Diagram" /></td>
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<td><img src="image" alt="Diagram" /></td>
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</tbody>
</table>

Loosen and remove the fastening screws.  
Take off the flange.  
Take out the gears and upper bush.  
Warning!! The bush must never be turned.  
Invert the positions of the driven and driving shafts.  
Warning! The body and cover must not be turned. Use the marking on the body as your reference.  
Fit the previously removed flange back in place taking care to clean the body-base contact surfaces.  
Replace the screws and tighten the nuts with a torque of 54 Nm to 58.9Nm. Check that the shaft turns on completing the operation.

Note: with this rotation change system, the inlets and outlets remain unchanged.