Assembly of the supply pipe from Velo plant to JB

Front view

Total length of the pipe itself (on the model): 1193.2 mm

Bottom view

Total length of the pipe itself (on the model): 1193.2 mm
Total length of the pipe itself (on the model): 1675.2 [mm]
The diagram illustrates the design of a return pipe from the JB plant to the Velo cooling plant. The pipe is designed to be 2080mm long. Key components include:

- **Weld T** (18mm OD) with Swagelok: 316L-18MTB7-3, ST0504214, EN 1.4404 (St. Steel 316L)
- **Weld elbow** (18mm OD) with Swagelok: 316L-18MTB7-9, ST0626422, EN 1.4404 (St. Steel 316L)
- **Tube Butt Weld Fitting** (Reducing Union 18mm OD - 6mm OD) with Swagelok: 316L-18MTB7-6-6M, ST0792236, EN 1.4404 (St. Steel 316L)
- **VCR male nut** (1/4" MVCR) with Swagelok: SS-4-VCR-4, ST0744720, EN 1.4401 (St. Steel 316)
- **VCR male nut** (3/4" MVCR) with Swagelok: SS-12-VCR-4, ST0740994, EN 1.4401 (St. Steel 316)
- **Long VCR gland** (1/4" VCR x w6mm) with Swagelok: 6LV-4-VCR-3-6MTB7, ST0712767, EN 1.4404 (St. Steel 316L)
- **Short VCR gland** (3/4" VCR x w18mm) with Swagelok: 6LV-12-VCR-3S-18MTB7, ST0828347, EN 1.4404 (St. Steel 316L)
- **VCR female nut** (3/4" FVCR) with Swagelok: SS-12-VCR-1, ST0902051, EN 1.4401 (St. Steel 316)
- **VCR female nut** (1/4" MVCR) with Swagelok: SS-4-VCR-4, ST0744720, EN 1.4401 (St. Steel 316)

The diagram also includes notes and designations for various components, such as:

- **Label** "NOT VALID FOR EXECUTION"
- **Designated by** E.PILORZ
- **Checked**
- **Released**
- **Approved**
- **Designed on** 2019-07-12

The bill of materials is included in the diagram, providing detailed measurements and materials for each component.
Total length of the pipe itself (on the model) is 1498.2 [mm]

Bill of Materials

<table>
<thead>
<tr>
<th>POS</th>
<th>QUANT</th>
<th>DESIGNATION</th>
<th>REFERENCE</th>
<th>MATERIAL</th>
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<tbody>
<tr>
<td>01</td>
<td>1</td>
<td>Weld T</td>
<td>EDH SCEM</td>
<td>1526.5</td>
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<td>02</td>
<td>1</td>
<td>Long VCR gland</td>
<td>6LV-4-VCR-3-6MTB7</td>
<td>316L-18MTB7-6-6M</td>
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<td>03</td>
<td>1</td>
<td>VCR male nut</td>
<td>SS-12-VCR-4</td>
<td>ST0740994</td>
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<td>1</td>
<td>VCR male nut</td>
<td>SS-4-VCR-4</td>
<td>ST0744720</td>
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<td>05</td>
<td>1</td>
<td>Tube Butt Weld Fitting</td>
<td>316L-18MTB7-6-6M</td>
<td>ST0792236</td>
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<tr>
<td>06</td>
<td>1</td>
<td>Short VCR gland</td>
<td>6LV-12-VCR-3S-18MTB7</td>
<td>ST0828347</td>
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<tr>
<td>07</td>
<td>1</td>
<td>VCR female nut</td>
<td>SS-12-VCR-1</td>
<td>ST0902051</td>
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<tr>
<td>08</td>
<td>1</td>
<td>3/4&quot; VCR x w18mm</td>
<td>Swagelok : 6LV-12-VCR-3S-18MTB7</td>
<td>ST0925727</td>
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<tr>
<td>09</td>
<td>1</td>
<td>3/4&quot; FVCR</td>
<td>Swagelok : SS-12-VCR-1</td>
<td>ST0925727</td>
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Material: EN 1.4404 (St. Steel 316L)