### Notification of Change of 200MPa type Pressure Gauge mounting method

From Oct. 2014, new production of 200MPa type Pressure Gauge changed to that equips new mounting part and seal method was started. Accordingly, type of name and mounting method have been changed either, please refer to details noted as below.

#### 1 Changing of pressure gauge type, screw part, and seal method

**Former type**

- **Type:** AS150-250M
- **Pressure Gauge:** AS150-250M

**Screw part**
- Screw part and pressure gauge main body are designed as a monolithic specification.
- Pressure gauge itself should be rotated when mounting, and nearly impossible to fix the display face of gauge on desired direction.

**Seal method**
- Hydraulic oil is sealed with "GC-2000" Cone for pressure gauge.

**Latest type**

- **Type:** AS150-250-U
- **Pressure Gauge:** AS150-250U

**Screw part**
- Screw part and pressure gauge main body are designed as a separation specification.
- Rotation of pressure gauge itself is not required when mounting, rotate the hexagon part and fasten that.
- "GA-2000" "GB-2000" are not necessary.

**Seal method**
- Tip end of screw part is cone-shaped design, hydraulic oil is sealed with this part.
- "GC-2000" is not necessary.
2 Changing type of pump, bracket, branch that pressure gauge mounted on

Due to changing pressure gauge mounting method, types of each pump, pressure gauge mounting bracket and each branch were changed accordingly. Old/New type list is shown as below.

Old type pressure gauge can be mounted on New type equipment directly.

Old type pressure gauge can not mount on New type equipment.

### Manual pump

<table>
<thead>
<tr>
<th>Old type equipment</th>
<th>New type equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>UP-21M</td>
<td>UP-21M-U</td>
</tr>
<tr>
<td>UP-21D</td>
<td>UP-21D-U</td>
</tr>
<tr>
<td>UP-22B</td>
<td>UP-22B-U</td>
</tr>
<tr>
<td>UP-22M</td>
<td>UP-22M-U</td>
</tr>
<tr>
<td>UP-22D</td>
<td>UP-22D-U</td>
</tr>
</tbody>
</table>

### Electric pump

<table>
<thead>
<tr>
<th>Old type equipment</th>
<th>New type equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP-2000-4 (Ⅲ)</td>
<td>MP-2000-4 (Ⅳ)</td>
</tr>
<tr>
<td>MP-2000-4C (Ⅲ)</td>
<td>MP-2000-4C (Ⅳ)</td>
</tr>
<tr>
<td>MP-2000-8 (Ⅲ)</td>
<td>MP-2000-8 (Ⅳ)</td>
</tr>
<tr>
<td>MP-2000-8C (Ⅲ)</td>
<td>MP-2000-8C (Ⅳ)</td>
</tr>
</tbody>
</table>

### Various type of branch

<table>
<thead>
<tr>
<th>Old type equipment</th>
<th>New type equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>B2-2000 (B)</td>
<td>B2-2000 (C)</td>
</tr>
<tr>
<td>B3-2000 (B)</td>
<td>B3-2000 (C)</td>
</tr>
<tr>
<td>B4-2000 (B)</td>
<td>B4-2000 (C)</td>
</tr>
</tbody>
</table>

### Pressure gauge mounting bracket

<table>
<thead>
<tr>
<th>Old type equipment</th>
<th>New type equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1-2000</td>
<td>T1-2000 (B)</td>
</tr>
</tbody>
</table>

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Example of use

Old type equipment + Old type pressure gauge

Example of use

New type equipment + New type pressure gauge
**Mounting method of New type on Old type equipment**

"FMSU-G1/2xM34" conversion bushing is required for mounting on equipment.

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**Procedure 1**

Remove pressure gauge, "GA-2000" Sleeve for pressure gauge mounting, "GB-2000" Bushing for pressure gauge mounting and "GC-2000" Cone for pressure gauge from the pressure gauge mounting part of equipment.

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**Procedure 2**

Mount "FMSU-G1/2 X M34" on the pressure gauge mounting part of equipment, screw into that to the bottom until butting in by hand or tool. (No need to be fastened firmly after butting in)

☆ Any seal materials are not necessary on the screw part.

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**WARNING**

Be careful not to get injured by the screw part when mounting "FMSU-G1/2 X M34" on.

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**Procedure 3**

Mount New type on Old type equipment which "FMSU-G1/2 X M34" was mounted.

Rotate the hexagonal part by a wrench to tighten. ☆ Any seal materials are not necessary on the screw part.

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**Tightening torque**

39-59 N•m