

Notification of Change of 200MPa type Pressure Gauge mounting method

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RIKEN KIKI CO., LTD.

Outline

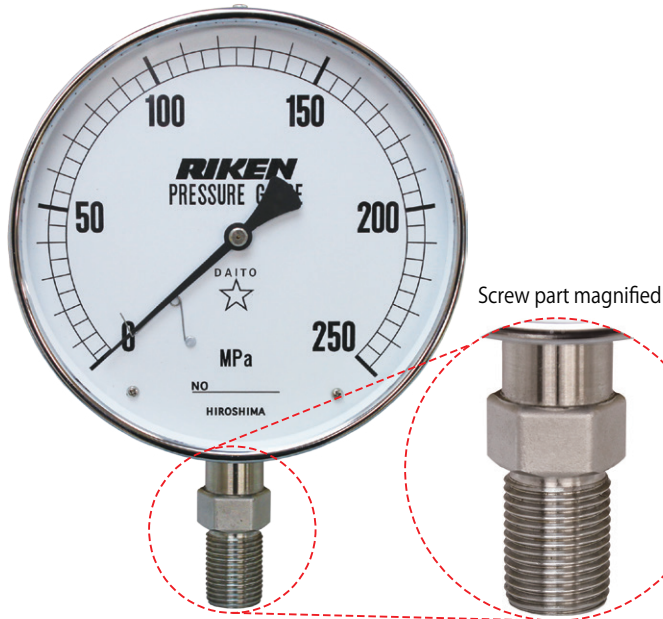
From Oct. 2014, new production of 200MPa type Pressure Gauge changed to that equips new mounting part and seal method was started. Accordingly, type of name and mounting method have been changed either, please refer to details noted as below.

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

Former type

Old type pressure gauge
Fixed screw type

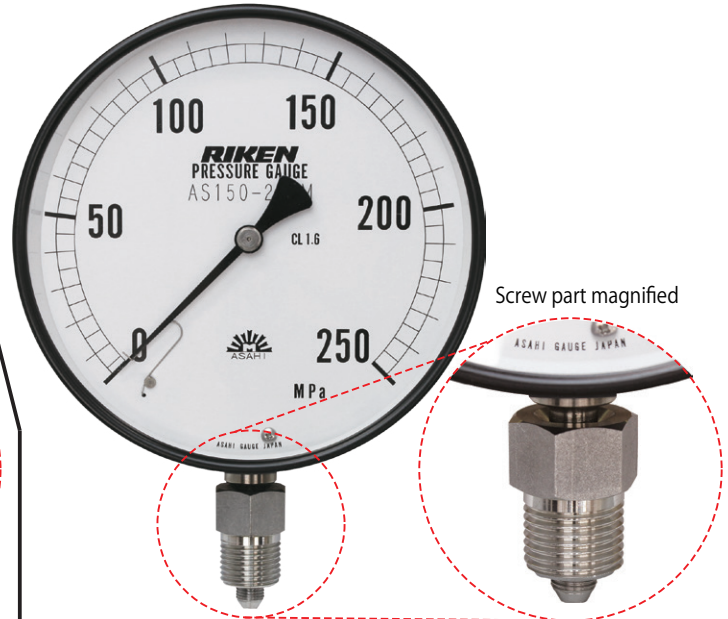
Type : AS150-250M



Latest type

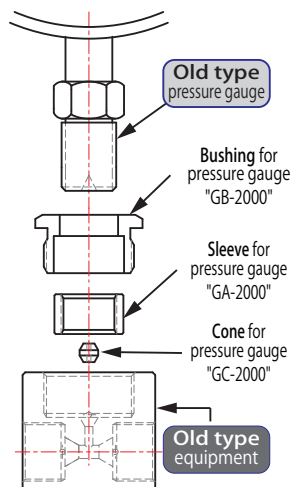
New type pressure gauge
Universal screw type
Tip end cone-shape

Type : AS150-250-U



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. Our derivatives to solve this problem are "GA-2000" Sleeve for pressure gauge mounting, "GB-2000" Bushing for pressure gauge mounting, we adopt the mounting method not to rotate pressure gauge itself with these items.



Seal method

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

Screw part

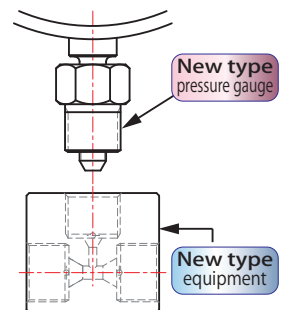
Screw part and pressure gauge main body are designed as a separation specification. Rotation of pressure gauge itself is not required when mounting, rotate the hexagon part and fasten that.

☆ "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.

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

Refer to next page regarding mounting method of **New type pressure gauge** to mount on **Old type equipment**.



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

Manual pump	Electric pump
<p>Old type equipment Sleeve, bushing, cone are necessary to mount</p> <p>UP-21M UP-21D UP-22B UP-22M UP-22D</p>	<p>New type equipment Sleeve, bushing, cone are not necessary to mount</p> <p>UP-21M-U UP-21D-U UP-22B-U UP-22M-U UP-22D-U</p>
<p>Old type equipment Sleeve, bushing, cone are necessary to mount</p> <p>MP-2000-4 (Ⅲ) MP-2000-4C (Ⅲ) MP-2000-8 (Ⅲ) MP-2000-8C (Ⅲ)</p>	<p>New type equipment Sleeve, bushing, cone are not necessary to mount</p> <p>MP-2000-4 (Ⅳ) MP-2000-4C (Ⅳ) MP-2000-8 (Ⅳ) MP-2000-8C (Ⅳ)</p>
Various type of branch	Pressure gauge mounting bracket
<p>Old type equipment Sleeve, bushing, cone are necessary to mount</p> <p>B2-2000 (B) B3-2000 (B) B4-2000 (B)</p>	<p>New type equipment Sleeve, bushing, cone are not necessary to mount</p> <p>B2-2000 (C) B3-2000 (C) B4-2000 (C)</p>
<p>Old type equipment Sleeve, bushing, cone are necessary to mount</p> <p>T1-2000</p>	<p>New type equipment Sleeve, bushing, cone are not necessary to mount</p> <p>T1-2000 (B)</p>

Example of use **Old type equipment** + **Old type pressure gauge**

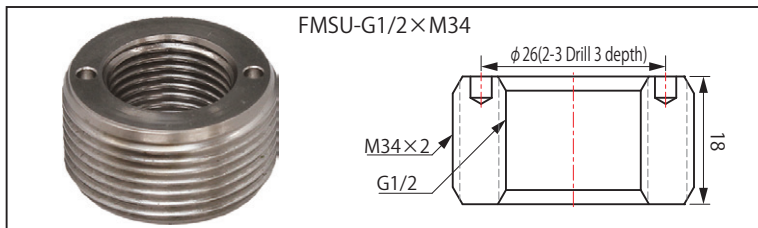


Example of use **New type equipment** + **New type pressure gauge**



3 Mounting method of New type pressure gauge on Old type equipment

"FMSU-G1/2xM34" conversion bushing is required for mounting New type pressure gauge on Old type equipment.



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 Old type equipment.

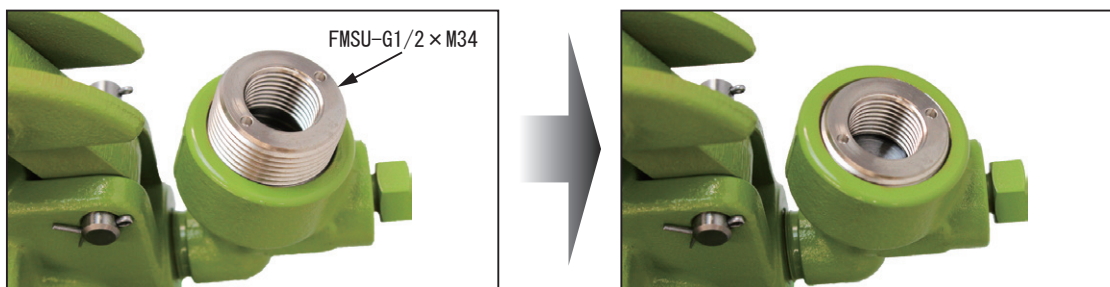


Procedure 2

Mount "FMSU-G1/2 X M34" on the pressure gauge mounting part of Old type 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.

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



Procedure 3

Mount New type pressure gauge 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.

Tightening torque
39-59 N·m

