
Operation Manual

Replacement of the element for SFA

Read this manual carefully before operating the products.

Refer to the drawings or the catalogs or the product materials for construction, specifications, etc. of the product.

This manual is subject to change without prior notice.

1. Remove the product from piping line.

In order to avoid dirt in the piping line, reduce the pressure in the piping to zero and remove the piping line before replacing the element.

2. Disassemble the product. (Fig. 1.)

Make sure that the replacement does not contaminate the piping line or clean room.

- 1) Loosen the nut to the end of the T-bolt.
- 2) Remove the T-bolt from the saddle latch.
- 3) Remove the V-clamp from the housing.
- 4) Remove the filter case and take out the element. Dispose the V seal when removing the element.

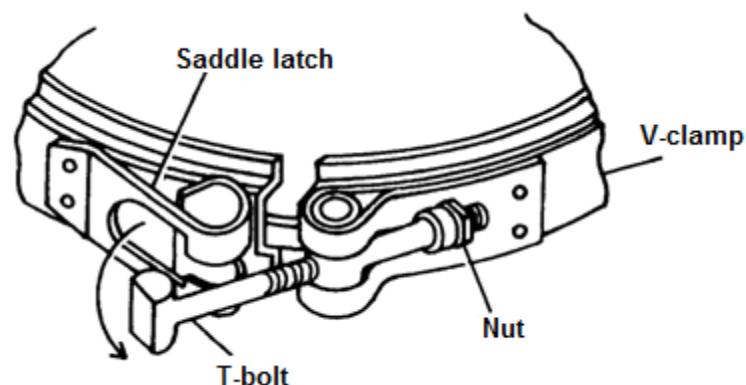


Fig. 1: Description of parts on the V-clamp.

3. Clean the parts.

Parts other than the disassembled element shall be cleaned with ultrasonic and DI water in a clean environment. Make sure that particles will not flow to the secondary side whilst cleaning the case or cover.

4. Use dust-free gloves when reassembling.

- 1) Take a new element out of the sealed bag. Elements have passed the integrity test for the product. DO NOT disassemble the element.
- 2) Check the direction of IN/OUT of the element and make sure that IN side comes to the IN side of the case. The direction with SMC mark is IN side. (Fig. 2)
- 3) Hold the element with the case of IN/OUT and then, mount the V-clamp.
- 4) Set the T part of the bolt to the saddle latch.
- 5) Tighten the nut to the specified torque.

Note) Table below shows the specification torque.

Product No.	Product number of element	Standard torque
SFA10	ED001S-X10V	2.0 N·m
SFA20	ED101S-X10V	3.9 N·m
SFA30	ED201S-X10V	5.9 N·m

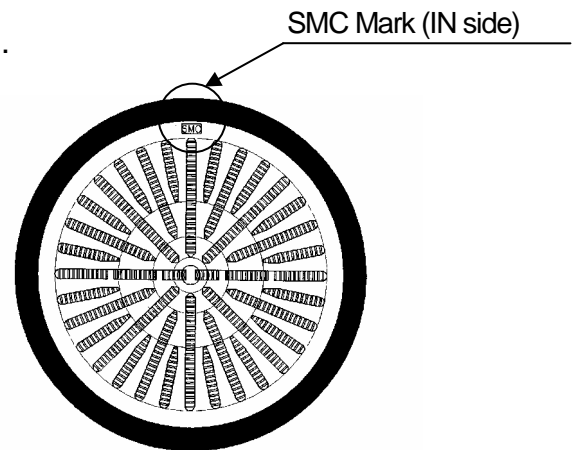


Fig. 2: Element

5. Repiping and line flashing

Before operating, reconnect the piping and flush the line.

6. Connections

6-1: TSJ1/4

To replace the element, hand tighten the nut then tighten the nut using a spanner for 1/4 to 1/2 turn. Fig. 3 shows the cross section when parts are correctly set.

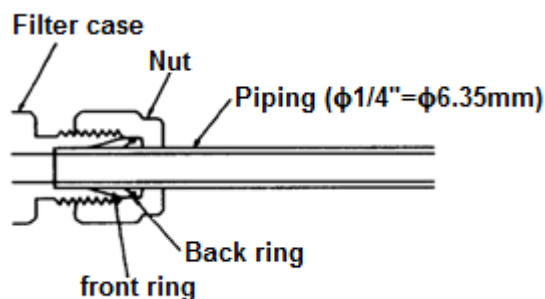


Fig. 3: TSJ fitting

6-2: UOJ1/4

During the tightening for assembling the new element, make sure that the O-ring is present and there are no scratches on the O-ring. Fig. 4 shows the cross section when parts are set.

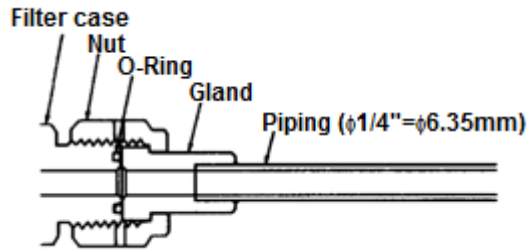


Fig. 4: UOJ fitting