Instruction Manual
Alfa Laval HTC (Hygienic Tank Connection)
Article no. 9614-0708-01

1. General information

1.1 Information on the Instruction manual

This instruction manual contains important information on proper usage and installation of the device. Read this instruction manual carefully before installing and mounting instrumentation into this process connection.

Adhere to the safety notes and operating instructions which are given in this instruction manual. Additionally applicable regulations regarding occupational safety, accident prevention as well as national installation standards and engineering rules must be complied with!

This instruction manual is part of the device, must be kept near its location, always accessible to all employees.

This instruction manual is copyrighted. The contents of this instruction manual reflect the version available at the time of printing. It has been issued to our best knowledge. However, errors may have occurred. Alfa Laval Tank Equipment A/S is not liable for any incorrect statements and their effects.

-Technical modifications reserved-

1.2 Target group

*WARNING! To avoid operator hazards and damages of the device, the following instructions have to be worked out by qualified technical personnel.

1.3 Limitation or liability

By non-observance of the instruction manual, inappropriate use, modification or damage, no liability is assumed and warranty claims will be excluded.

1.4 Intended use

The Alfa Laval Hygienic Tank Connection 9614-0708-01 has been developed for being welded into vessels and tanks and having instrumentation installed that has a correct opposing process connection. It is the operator's responsibility to check and verify the suitability of the device for the intended application. If any doubts remain, please contact out local Alfa Laval Company in order to ensure proper usage. Alfa Laval Tank Equipment A/S is not liable for any incorrect selections and their effects.

Permissible media are gases and liquids that are compatible with the media wetted parts.

1.5 Package content

Please verify that all listed parts are undamaged included in the delivery and check for consistency specified in our order:

- Hygienic Tank Connection
- Instruction manual incl. mounting instruction

2. Product identification

The device can be identified by the markings on the device. It provides the most important data. By serial number (s/n) or ordering code the product can be clearly identified.

Hygienic Tank Connection
s/n.: yyyy-xxxxxx

Alfa Laval, DK-Ishoej, Baldershoej 19

3. Installation

3.1 Mounting and safety instructions

Warning! Install the device only when depressurized and temperature less condition.

Warning! This device may only be installed by qualified technical personnel who has read and understood the instruction manual!

IMPORTANT!: Leak detection hole shall be positioned at the lowest point.

3.2 Welding recommendations

!!Always allow flange to cool after each side is welded!!

Flange diameter: ø98±0.2 mm

Flange thickness at welding zone: 6 mm

1 Align the inside of the device with the inside of the tank wall

2 Turn the device into an orientation where the leakage hole is pointing downwards (if mounted on non-horizontal wall).

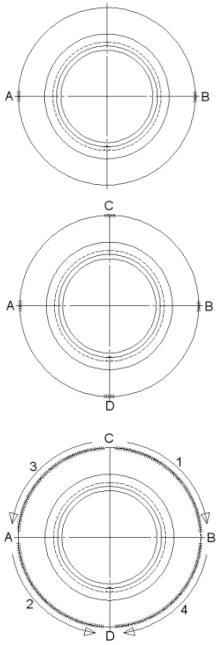
3 Spot weld at A and B

4 Adjust alignment with inner tank wall

5 Spot weld at C and D

6 Weld the device completely by continuously weld one quarter at a time and opposing quarters each time.

7 Finish by grinding and polish the inside to be flush with the tank wall.



To ensure a hygienic weld it is recommended to either use shielding gas or pre-treat the welding zone to remove any discoloration.

3.3 Mounting instrumentation

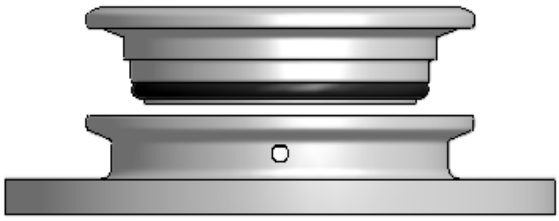
This process connection carries the EHEDG symbol and is authorised to carry the 3-A symbol. Both symbols are only valid when appropriate instrumentation connections are used together with this process connection. The instrumentation connection that fits this process connection is the Alfa Laval HTC connection, male part. For other instrument connections contact your local Alfa Laval office for support.

1 Ensure that the instrument connection is an Alfa Laval HTC connection.

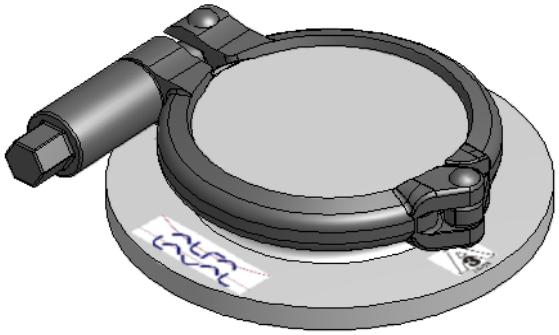
2 Mount the O-ring gasket (Item nr.: 9611-99-4285) that fits the instrument connections (or blind cap) O-ring groove.



3 Insert the instrument (or blind cap) into the process connection.



4 Put the clamp (Item nr.: 9612-93-9303) around the assembly point and tighten the bolt for applying pressure until metal-to-metal contact in the connection.



4. Accessories

O-ring* – Alfa Laval Item no.: 9611-99-4285

Blind cap – Alfa Laval Item no.: 9313-13-0102

Clamp – Alfa Laval Item no.: 9612-93-9303

*Spare part that is included with the instrumentation. For Blind cap it must be ordered separately.

Note: The illustrations and specifications contained in this manual were effective at the date of printing. However, as continuous improvements are our policy, we reserve the right to alter or modify any unit specification on any product without prior notice or any obligation.

How to Contact Alfa Laval Tank Equipment A/S
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