
Preparation and Installation

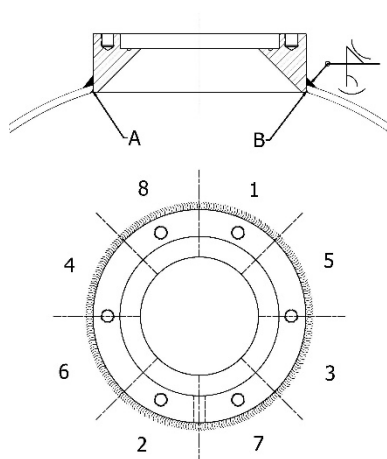
Before installation, remove locking ring, stud bolts and nuts completely.

Sealing surfaces and welding areas must be metallic clean, degreased and free from contamination.

Clean Seal Connector adaption to shell/head curvature shall be performed without damaging material properties and component straightness.

After adaption to shell/head curvature the minimum height of the Clean Seal Connector shall not be below minimum height as referenced on the component certificate. For EHEDG approval the center length shall not be larger than EHEDG XXX as referenced on component certificate.

For EHEDG compliance installation shall comply to current version of EHEDG position paper P1, all surfaces shall be cleanable (direct spray) after installation from inside and/or outside.


Welding Procedure

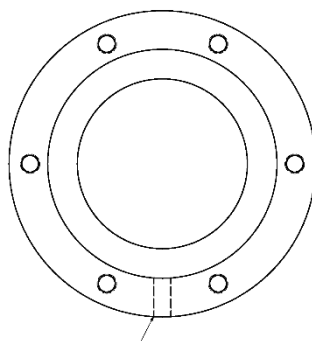
Align flange at reference points A and B flush with the internal vessel wall.

Grinding or machining of the flange after positioning is not permitted.

Welding shall be performed using a controlled segment sequence to minimize distortion.

After each segment, allow natural cooling under ambient air conditions.

After welding, straightness shall be verified



IMPORTANT - drainhole facing downwards

Flange Orientation and Inspection

The drain hole must be positioned at the 6 o'clock orientation.

Execute weld according to the defined segment sequence and verify alignment, distortion and seating after completion.

Welding must be performed according to valid WPS by qualified personnel.

Welding work from customer: quality of weld joint according to EN 5817 level B

Important: At pressure vessel note the prescriptions of the AD-instructions sheets or EN 13445-4

Document Information

Document No.	LP-CSC-001
Revision	05
Date	2026-03-26
Product	CS-Connector
Scope	Installation and welding into pressure vessels or tanks