

CERTIFICATE OF COMPLIANCE



EL Class I

Date of issue: 11 November 2025

Valid until: 31 December 2026

EHEDG hereby declares that the product

twin screw pump WANGEN Twin, type NG70EH, NG104EH, NG130EH, with FKM gaskets and SiC/SiC or TC/TC mechanical seals

from

Pumpenfabrik Wangen GmbH, Simoniusstrasse 17, 88239 Wangen im Allgäu, Germany

has/have been evaluated for compliance and meets/meet the current criteria for Hygienic Equipment Design of closed process applications of the EHEDG

Certificate No. EHEDG-C2500045

Signed _____ *Hein Timmerman* President EHEDG

Signed _____ *Karlijn Faber* EHEDG Certification Officer

***EHEDG
Karspeldreef 8
1101 CJ Amsterdam
Netherlands***

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APPENDIX 3 EHEDG Certification – Equipment Evaluation Form

Design Evaluation Date: 05.12.2024

EHEDG File Number: EHEDG-R2400075

Certification Type: EL CLASS I

Applicant: Pumpenfabrik Wangen GmbH

Equipment: twin screw pump WANGEN Twin, type NG70EH, NG104EH, NG130EH, with FKM gaskets and SiC/SiC or TC/TC mechanical seals

Other essential identification: different spindle screw pitches

Evaluated by:

Name: Dr. Jürgen Hofmann

Date, Signature: 24.10.2025

Approved by:

Name: Prof. Mark Morgan

Date, Signature: 31.10.2025

The use of the EHEDG Certification logo is justified based on the results of the design evaluation, inspection, and testing (as applicable) of the equipment for compliance with the current EHEDG Hygienic Design Criteria (HDC):

Criteria	Certification for use in Closed Processes
☐	The equipment complies with all applicable HDC in the Guidelines.
☒	Evidence for compliance required and provided by in-place cleanability test method according to EHEDG Doc. 2.
☐	Evidence for compliance required and provided by in-place cleanability test method according to EHEDG Doc. 2, in-place sterilisability test method according to EHEDG Doc. 5, and bacteria tightness test according to EHEDG Doc. 7 for EL ASEPTIC Certification.
Criteria	Certification for use in Open Processes
☐	The equipment complies with all applicable HDC in the Guidelines.
☐	Evidence for compliance required and provided by OPC cleanability test method according to EHEDG Doc. 57.

APPENDIX 3

No.	Description
1.	EHEDG Certificate of Compliance
2.	Contract to use the EHEDG Certification Logo for equipment
3.	Appendix 1: Equipment intended for cleaning-in-place with liquids without dismantling
4.	Appendix 2: conditions for use of the EHEDG Certification Logo
5.	Appendix 3: Equipment evaluation form
6.	Evaluation report of the design of the twin screw pump WANGEN Twin, type NG70EH, NG104EH, NG130EH, with FKM gaskets and SiC/SiC or TC/TC mechanical seals, no. 812TUM2025
7.	Drawings of the twin screw pump WANGEN Twin, type NG70EH, NG104EH, NG130EH, with FKM gaskets and SiC/SiC or TC/TC mechanical seals, drawing nos. 1015-557, 1015-556, 1015-875; original stamped
8.	Test report of the in-place cleanability test method according to Doc. 2, Test no. 812/25.04.2025
9.	Cleaning and Installation Manual No. BA/MA Twin NG 70/104/130_en: 7–04/2023 supplied by the manufacturer
10.	Example of EHEDG Certified Logo Type EL CLASS I