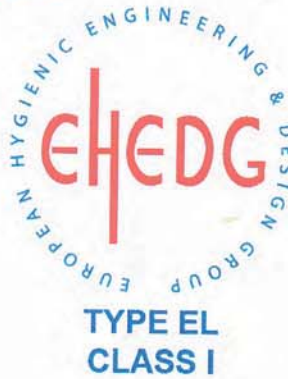


CERTIFICATE OF COMPLIANCE



Valid until end: December 2019

TUM Certification
hereby declares that the product

TORNADO® T.Sano™ XX-M or XX-S, size 08/08, 06/12, 04/45, 08/45, 06/70,
03/70, 04/100, 08/100, 03/140, 06/140 with EPDM gaskets and SiC/SiC
mechanical seal

from

NETZSCH Pumpen & Systeme GmbH, 84478 Waldkraiburg, Germany

has been evaluated for compliance with the
Hygienic Equipment Design Criteria of the EHEDG, by:

TUM (Forschungszentrum für Brau- u. Lebensmittelqualität) at Weihenstephan, Germany
and meets the criteria as demonstrated by:

Evaluation Report No. 509TUM2017

Signed Jürgen Hofmann
Dr. Jürgen Hofmann

Evaluation Officer

Signed Fritz Jacob
Prof. Dr. Fritz Jacob

Head of Department

Date of issue: 29 November 2017

Certificate No. 20/2017



85354 Freising-Weihenstephan, Germany
©EHEDG

Appendix 3

EHEDG CERTIFICATION - EQUIPMENT EVALUATION FORM
OFFICIAL ENGLISH VERSION

EQUIPMENT INTENDED FOR CLEANING WITH LIQUID WITHOUT DISMANTLING, TYPE EL CLASS I

Equipment:

Name: NETZSCH Pumpen & Systeme GmbH
Type no.: TORNADO® T.Sano™ XX-M or XX-S, size 08/08, 06/12, 04/45, 08/45, 06/70, 03/70, 04/100, 08/100, 03/140, 06/140 with EPDM gaskets and SiC/SiC mechanical seal
Other essential identification: rotary lobe pump

Date: 02.11.2017

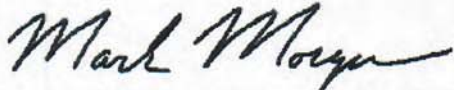
Number: 20/2017

Evaluated by:

Name: Dr. Jürgen Hofmann
EHEDG or EHEDG Authorized Organization: TUM, BLQ, Germany

Approved by:

Name: Mark Morgan
EHEDG or EHEDG Authorized Organization: The University of Tennessee, Knoxville, USA

Date, Signature:  December 7, 2017

| | |
|--|---|
| 1. Results of inspection for compliance with the EHEDG Hygienic Design Criteria. Conclusion : The equipment complies with the criteria. The use of the EHEDG Certification Type EL CLASS I logo is justified : | YES <input type="checkbox"/> |
| | MAYBE <input checked="" type="checkbox"/> |
| | NO <input type="checkbox"/> |
| 2. Only unavoidable reasons for non-compliance present. Evidence for compensation provided and convincing for Certification. Conclusion : The equipment complies with the criteria where possible. The use of the EHEDG Certification Type EL CLASS I logo is justified : | YES <input checked="" type="checkbox"/> |
| | NO <input type="checkbox"/> |

Signature : 

Date : 02.11.2017

| | |
|---------------------------------------|-------------------------------------|
| Type EL CLASS I Certification: | Yes |
| | <input checked="" type="checkbox"/> |
| <i>Cross out as appropriate.</i> | |

The original of this form will be kept together by the EHEDG or the EHEDG Authorized Organisation with the application, the inspection report, the evidence provided and any other relevant documentation, as listed on the back.

| No. | Description |
|-----|--|
| 1. | EHEDG / TUM Certificate of Compliance |
| 2. | Contract to use the EHEDG Certification Logo for equipment |
| 3. | Appendix 1A: EHEDG authorized certification organisations |
| 4. | Appendix 1B: equipment intended for cleaning with liquids |
| 5. | Appendix 2: conditions for use of the EHEDG Certification Logo |
| 6. | Appendix 3: Equipment evaluation form |
| 7. | Evaluation report of the design of the TORNADO® T.Sano™ XX-M or XX-S, size 08/08, 06/12, 04/45, 08/45, 06/70, 03/70, 04/100, 08/100, 03/140, 06/140 with EPDM gaskets and SiC/SiC mechanical seal No. 509TUM2017 |
| 8. | Drawing of the TORNADO® T.Sano™ XX-M or XX-S, size 08/08, 06/12, 04/45, 08/45, 06/70, 03/70, 04/100, 08/100, 03/140, 06/140 with EPDM gaskets and SiC/SiC mechanical seal, drawing no. 15503051_086_0136, 15502524_136_0371 original stamped |
| 9. | Test report of the in-place cleanability test method, no. 509/24.06.2015 |
| 10. | Example of the EHEDG Certified Logo Type EL Class I |