

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **KEMA 07ATEX0094 X** Issue Number: **4**

(4) Product: **Top-Entry Mixers:**
Radial lip seal, Mixers types: LD, LBD, NSD and FTD
Stuffing box seal, Mixers types: LPL, NPL and LBPL
Mechanical seal, Mixers types: LM, LBM, NM, NSM, HDM and FTDM.

(5) Manufacturer: **Jongia N.V.**

(6) Address: **James Wattstraat 8, 8912 AS Leeuwarden,
The Netherlands**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number NL/DEK/ExTR16.0103/02.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN ISO 80079-36 : 2016

EN ISO 80079-37 : 2016

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12)



Ex h

For details see the Annex to this certificate.

Date of certification: 10 July 2020

DEKRA Certification B.V.

L.G. van Schie
Certification Manager



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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 07ATEX0094 X**

Issue No. 4

(15) **Description**

Top-Entry mixers are used to mix liquids inside a vessel.

For details on the product information and the marking see the Annex to this certificate: Annex 1 to Report no. NL/DEK/ExTR16.0103/02

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR16.0103/01.

(17) **Specific conditions of use**

The mixers with a stuffing box seal, types LPL, NPL and LBPL, have an ambient temperature range of -20 °C to +38 °C for temperature class T4 / T135 °C.

The Mixers shall be provided with an ignition prevention system of type b2 according to EN ISO 80079-37, monitoring the temperature of the applied seal.

The equipment shall stop when the critical temperature; 108 °C for T4 / T135 °C or 160 °C for T3 / T200 °C or 300 °C for T1 / T450 °C for liquid lubricated mechanical seals only, is reached.

Parts of the ignition prevention system that may be located in a potentially explosive atmosphere shall themselves not be an ignition source.

The vessel and associated parts, in which the Mixers are used, shall be suitable for the application.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR16.0103/02.

(20) **Certificate history**

Issue 1 -	210045900	initial certificate.
Issue 2 -	219906800	assessment to new standards.
Issue 3 -	222803300	introduction of Mixers with mechanical seals for higher rotation speed and higher process temperature.
Issue 4	224736700	introduction of alternative greases for mixers with lip seals