DNV·GL

Certificate No:
TAP000023W

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Ejector Pump (Eductor)

with type designation(s)
Flüssigkeitsstrahl - Flüssigkeitspumpe DN40 up to DN300

Issued to
Körting Hannover GmbH
HANNOVER, Germany

is found to comply with
DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems
DNV GL class programme DNVGL-CP-0505 – Type approval – Pumping units

Application :

Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.
Size Driving: **see page 2**
Size Suction: **see page 2**
Size Discharge: **see page 2**

Issued at **Hamburg** on **2020-05-27**
This Certificate is valid until **2025-05-26**.
DNV GL local station: **Magdeburg**

Approval Engineer: **Christian Kaemmer**

for **DNV GL**

Olaf Drews
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

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Job Id: **262.1-033407-1**
Certificate No: **TAP000023W**

Product description

High pressure eductor, consisting of mixing chamber, diffuser, nozzle, bolt, plug, flange.
Side connection type.

Flüssigkeitsstrahl - Flüssigkeitspumpe Size	Driving [mm]	Suction Size [mm]	Discharge Size [mm]
40	32	40	40
50	40	50	50
65	50/65	50/65	65
80	65	65	80
100	80/100	80/100	100
125	100	100	125
150	125/150	125/150	150
200	150	150	200
250	200	200	250
300	250	250	300

Material: 2.1050.01 **Nominal pressure:** PN 10

Application/Limitation

Eductors to be used for bilge systems in marine applications.
Eductor pumps shall be hydrostatically tested by a pressure of 1.5 times the design pressure.

Type Approval documentation

Tests carried out

Hydrostatic pressure test, Performance test

Marking of product

For traceability to this type approval, each ejector pump is to be marked with:

Fabriknummer
Prüfdruck (T.P. bar)
Zertifikat-Nr.
Baujahr (mm…..jj)

Periodical assessment

For retention of the Type Approval, a DNV GL Surveyor shall perform periodical assessment to verify that the conditions for the Type Approval are complied with. Refer to the Class Programme DNVGL-CP-0338, Sec.4.

To check the validity of this certificate, please look it up in https://approvalfinder.dnvgl.com