



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate no.:
AMT00000F2
Revision No:
2

This is to certify:

that the Manufacturer

Hydrauliek Centrum Utrecht Verhuur B.V.
Krimpen aan de Lek, Zuid-Holland, Netherlands

is approved for the

Assembling of type approved hoses and couplings

The approval is granted on condition that

DNV class programme DNV-CP-0183 – Type approval – Flexible non-metallic hoses

are complied with in all respect

Hose	Size
Alfabiotech Evolution 5000	-12 to -48
Alfabiotech Evolution 5000Plus	-12 and -16
Alfabiotech Evolution 6000	-04 to -32
Alfabiotech Evolution 6000 Supertuff	-04 and -32
Flexopak2	-04 to -48
Flexopak2 Supertuff	-04 to -48
Flexor 1SN/1AT-HF	-04 to -32
1SN MINETUFF	-04 to -32
1SN EVOLUTION HT 150	-04 to -32

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.

Issued at **Høvik** on **2026-07-02**

for **DNV**

This Certificate is valid until **2029-05-17**.

DNV local unit: **Netherlands CMC**

Approval Engineer: **Tobias Berntsen**

Bosman van der Merwe
Head of Section

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") 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 USD 300 000.

This Certificate is subject to terms and conditions overleaf. Any significant change in production facilities and methods may render this Certificate invalid.

Approval basis

Hydrauliek Centrum Utrecht Verhuur B.V. is approved as a hose assembling company to deliver type approved hose assemblies (hose and coupling types as described in this certificate) to DNV GL vessels.

Assembling location:

Hydrauliek Centrum Utrecht B.V.
 Noord 71 - 2931 SJ, Krimpen aan de Lek
 Netherlands

Products

Holder of this certificate is authorized to assemble hoses and end fittings as specified in type approval certificates listed below:

Hose type	Size (DASH)	Certificate*
Alfabiotech Evolution 5000	-10 -12 -16 -20 -24 -32 -40 -48	TAP00002G8 Rev. 3
Alfabiotech Evolution 5000Plus	-12 -16	
Alfabiotech Evolution 6000	-04 -06 -08 -10 -12 -16 -20 -24 -32	
Alfabiotech Evolution 6000 Supertuff	-04 -06 -08 -10 -12 -16 -20 -24 -32	
Flexopak2	-04 -06 -08 -10 -12 -16 -20 -24 -32 -40 -48	TAP00000YK Rev. 6
Flexopak2 Supertuff		
Flexor 1SN/1AT-HF	-04 -05 -06 -08 -10 -12 -16 -20 -24 -32	TAP000002W Rev. 4
1SN MINETUFF	-04 -05 -06 -08 -10 -12 -16 -20 -24 -32	
1SN EVOLUTION HT 150	-04 -06 -08 -10 -12 -16 -20 -24 -32	TAP00002BX Rev.1

* To check the validity of the type approval, please see <https://approvalfinder.dnv.com>.

Limitation

The approval is valid by considering all conditions in relevant type approval certificates and authorization letter, during the validity of current certificate as well as the relevant type approval certificate.

Approval documentation

- ISO 9001:2015 Quality Management System certificate, valid until 2028-12-15
- Description of assembling and testing procedure
- Burst test reports, witnessed by DNV Surveyor, dated 2023-05-08
- Renewal burst test reports, witnessed by DNV Surveyor, dated 2023-05-08
- Renewal burst test reports, witnessed by DNV Surveyor, dated 2026-06-08
- Authorization letter from Alfagomma Benelux, dated 2026-02-06

Production testing

Each hose assembly is to be hydraulic pressure tested to 1.5 times the maximum working pressure before delivery and to be delivered from the certificate holder with pressure test report with reference to the type approval certificate and this certificate.

Marking

For identification and traceability purposes, each hose assembly permanently marked as required by the respective Type Approval Certificate listed above

Certificate Retention Survey

The AoM certificate is valid for three years with no intermediate assessment unless otherwise requested by the Society.

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