



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMT00000F2
Revision No:
1

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	Type	Size	Standard
Alfabiotech 5000		-12 to -48	
Powerflexbio 5000		-12 to -48	
Alfabiotech 5000Plus		-12 and -16	
Powerflexbio 5000Plus		-12 and -16	
Alfabiotech 6000		-04 to -32	
Powerflexbio 6000		-04 to -32	
Alfabiotech 6000	Supertuff	-04 and -32	
Powerflexbio 6000	TUFLEX	-04 and -32	
Flexopak2		-04 to -48	
Flexopak2	Supertuff	-04 to -48	
Super Slimline 241T		-04 to -48	
Super Slimline 241X	TUFLEX	-04 to -48	
Flexor 1SN/1AT-HF		-04 to -32	
Greenline plus 122		-04 to -32	
1SN MINETUFF		-04 to -32	
1SN HITUFF		-04 to -32	

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

Issued at **Høvik** on **2023-11-13**

for **DNV**

This Certificate is valid until **2026-05-17**.

DNV local unit: **Netherlands CMC**

Approval Engineer: **Sarah Miller**

Zeinab Sharifi
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 300,000 USD.

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.
 Nourd 71
 NL 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	Expiry date
Alfabiotech 5000	-10 -12 -16 -20 -24 -32 -40 -48	TAP000000Y9 Rev. 6	2023-12-31
Powerflexbio 5000			
Alfabiotech 5000Plus	-12 -16		
Powerflexbio 5000Plus			
Alfabiotech 6000	-04 -06 -08 -10 -12 -16 -20 -24 -32		
Powerflexbio 6000			
Flexopak2	-04 -06 -08 -10 -12 -16 -20 -24 -32 -40 -48	TAP000000YK Rev. 6	2028-03-31
Flexopak2 Supertuff			
Super Slimline			
		241X TUFLEX	
Flexor 1SN/1AT-HF	-04 -05 -06 -08 -10 -12 -16 -20 -24 -32	TAP0000002W Rev. 4	2024-06-30
Greenline plus 122			
1SN MINETUFF	-04 -05 -06 -08 -10 -12 -16 -20 -24 -32		
1SN HITUFF			

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.

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.

Approval documentation

- ISO 9001:2015 Quality Management System certificate, valid until 2025-12-15
- Authorization letter from Alfagomma Benelux, dated 2022-12-20
- Description of assembling and testing procedure
- Burst test reports, witnessed by DNV GL Surveyor, dated 2023-05-08
- Renewal burst test reports, witnessed by DNV Surveyor, dated 2023-05-08

Certificate Retention Survey

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