



TYPE APPROVAL CERTIFICATE
No. MAC335921CS

This is to certify that the product identified below is in compliance with the regulations herewith specified.

<i>Description</i>	Non metallic flexible hoses
<i>Type</i>	FLEXOR 3TE HF
<i>Applicant</i>	ALFAGOMMA HYDRAULIC SPA VIA ENRICO MATTEI 6 64020 Castelnuovo Vomano (TE) ITALY
<i>Manufacturer</i>	ALFAGOMMA HYDRAULIC SPA
<i>Place of manufacture</i>	Via dell'Industria 3-12 20882 Bellusco (MB) ITALY
<i>Reference standards</i>	Parte C, Cap. 1, Sez. 10 dei Regolamenti RINA

Issued in **GENOVA** on **March 24, 2022**. *This Certificate is valid until* **March 2, 2027**

RINA Services S.p.A.
Marco Dardano

This certificate consists of this page and 1 enclosure

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FLEXOR 3TE HF

Reference documentation:

Documentation approved / filed with letter PPVT/2022/00153/CRLVA

- Constructional drawings and specification approved with dwg PPVT-37851, Technical data sheet filed with PPVT-37853
- Test Report: Filed with PPVT-37852

Technical characteristic

Materials: flexible hose with red fire barrier (sleeve) and metallic fittings at both ends

TUBE: synthetic rubber,

REINFORCEMENT: two braids in high tensile polyester textile thread

OUTER COVER: synthetic rubber

JOINTS : Carbon steel, Stainless Steel, CuNi

Working Temperature : -40°C up to +100°C

Protective sleeve : Pyrotex

FLEXOR 3TE HF						
SIZE		NO SKIVE FERRULE		INSERT		
DN	DASH	Carbon Steel 11SMnPb30	Stainless Steel AISI 316	Carbon Steel 11SMnPb30	Stainless Steel AISI 316	CUNI
6	4	H1200TX2-04	H3200TX2-04	H12xxxx-04xxxx	H32xxxx-04xxxx	H62xxxx-04xxxx
8	5	H1200TX2-05	H3200TX2-05	H12xxxx-05xxxx	H32xxxx-05xxxx	H62xxxx-05xxxx
10	6	H1200TX2-06	H3200TX2-06	H12xxxx-06xxxx	H32xxxx-06xxxx	H62xxxx-06xxxx
12	8	H1200TX2-08	H3200TX2-08	H12xxxx-08xxxx	H32xxxx-08xxxx	H62xxxx-08xxxx
16	10	H1200TX2-10	H3200TX2-10	H12xxxx-10xxxx	H32xxxx-10xxxx	H62xxxx-10xxxx
20	12	H1200TX2-12	H3200TX2-12	H12xxxx-12xxxx	H32xxxx-12xxxx	H62xxxx-12xxxx
25	16	H1200TX2-16	H3200TX2-16	H12xxxx-16xxxx	H32xxxx-16xxxx	H62xxxx-16xxxx
32	20	H1200TX2-20	H3200TX2-20	H12xxxx-20xxxx	H32xxxx-20xxxx	H62xxxx-20xxxx
38	24	H1200TX2-24	H3200TX2-24	H12xxxx-24xxxx	H32xxxx-24xxxx	H62xxxx-24xxxx
51	32	H1200TX2-32	H3200TX2-32	H12xxxx-32xxxx	H32xxxx-32xxxx	H62xxxx-32xxxx

Hose	DN	Max working pressure [bar]	
		Carbon Steel / Stainless Steel Insert	CUNI Insert
Flexor 3TE HF	6	145	40
	8	130	40
	10	110	40
	12	93	40
	16	80	40
	20	70	40
	25	55	40
	32	45	40
	38	40	40
51	33	33	

Applications

Hydraulic Fluid, Fuel oil, water, cooling and anti freezing solutions , water based fluids, air

Hoses can be provided with PYROTEX Protective sleeve .

Remarks

The installation on board is to be carried out in accordance with Manufacturer's instructions.

For application in conformity to ISO 15540 insulating cushion of flame retardant material is required, as alternative, type approved insulating cover can be used.

The products are to be permanently marked, for traceability, in compliance with para. 7.2 of RINA "Rules for the type approval of flexible hoses and expansion joints".

GENOVA March 24, 2022