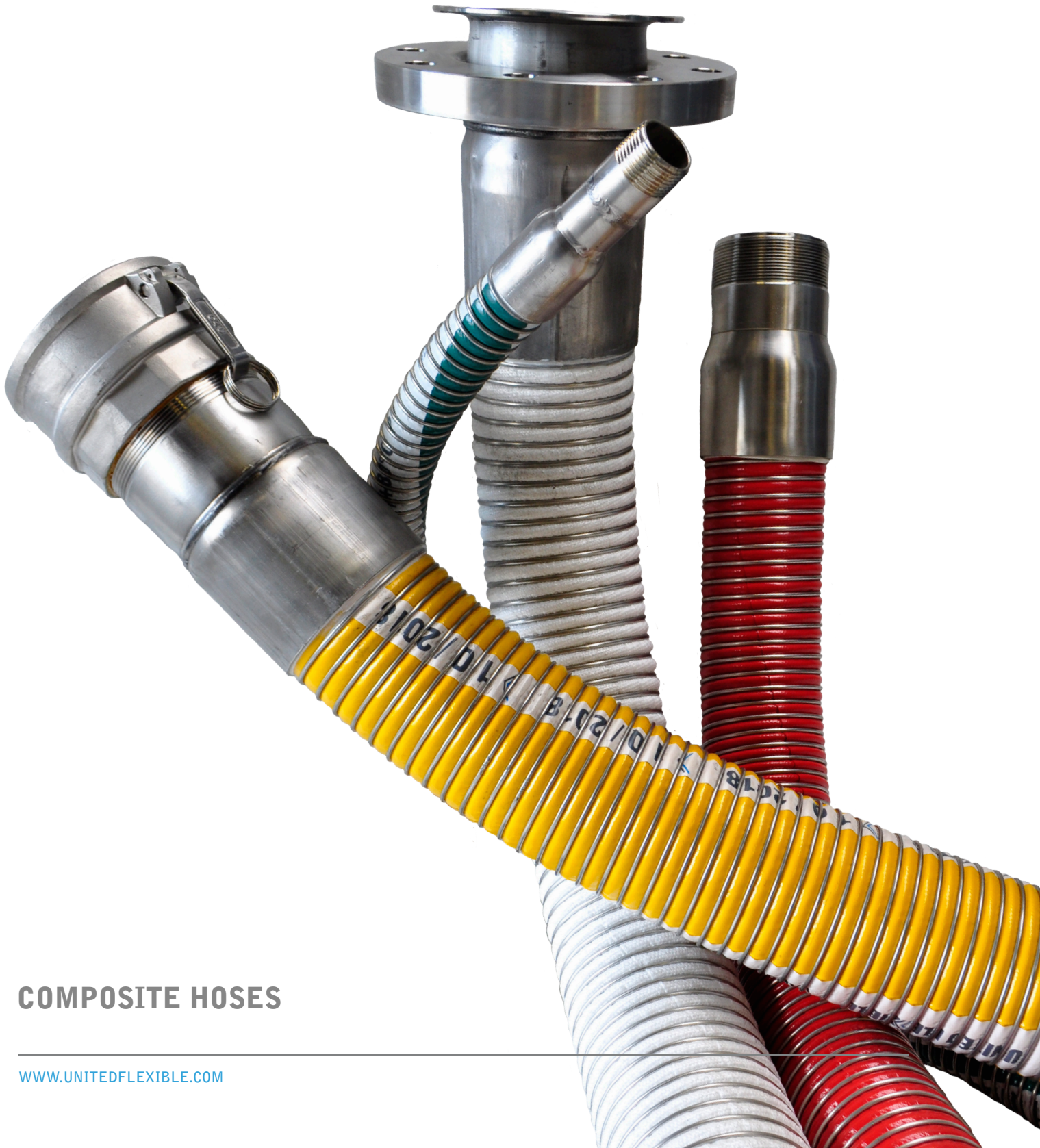


AMNITEC

A United Flexible Company



COMPOSITE HOSES

WWW.UNITDFLEXIBLE.COM

General information

Amnitec B.V. (United Flexible) acquired Flextraco B.V. in 2009 and with it the Flextraco brand of composite hose. For over 25 years Flextraco B.V. was specialized in the design and manufacture of composite hose and assemblies. As part of the acquisition, the Flextraco equipment and employees including their valuable knowledge transferred to Amnitec B.V. Since then Amnitec B.V. has continued to design and manufacture the Flextraco brand from its base in Rotterdam, The Netherlands.

In 2018 as part of a global rebrand the Flextraco name has been replaced by the United Flexible brand name. The design, manufacturing and certification remain the same.

Product information

Hose Construction

The composite cargo hoses are constructed from an outer cover of PVC coated nylon fabric, plus inner layers of polypropylene and PTFE films and fabrics. The hoses come with an optional Hostaflon liner, depending on the application. The PVC coated Nylon cover is abrasion, weather and ozone resistant. For more demanding applications hoses with tubes are also available. The cryogenic LPG hoses are constructed from polyamide liner and polyester films and fabrics and an outer cover of polyamide. On request, hoses with rope lagging can also be produced.

Internal and External Wires

Depending on the application several material choices exist for the Inner and Outer wire. The Inner wire can be specified in galvanized steel, polypropylene coated steel or 316 stainless steel. The external wire can be specified in galvanized steel and either 304 or 316 stainless steel.

Electrical Continuity

A dual connection between the internal and external wires and end fittings guarantees electrical continuity.

Safety

All Flextraco hose assemblies are produced according to EN13765: 2010 and EN13766: 2010 and pressure tested at 1,5 times their rated working pressure before shipment. (According to EN1402)

Test certificates are provided with all hose assemblies as a standard.

Temperature

The cargo composite hoses are suitable for use in operating temperatures from -30°C to $+100^{\circ}\text{C}$ (-22°F to $+212^{\circ}\text{F}$) depending on inner lining.

Cryogenic composite hoses are suitable for use in operating temperatures from -200°C to $+50^{\circ}\text{C}$ (-328°F to $+122^{\circ}\text{F}$) depending on inner lining and hose type.

Standards

Our composite hoses comply with a number of international standards including EN13765: 2010, EN13766: 2010, IMO, IBC Code and US Coast Guard regulations.

The United Flexible brand has also the NKK Type Approval (TA11773E(AL)).



Hosetower with Composite Hose

UNITED FLEXIBLE COMPOSITE HOSE QUICK REFERENCE CHART						
Hose Type	Liner	Inner Wire	Outer Wire	Diameters	WP	Application
804	P	G	G or S	1" to 4"	10 bar	Hydrocarbon
814	P	G	G or S	1" to 4"	14 bar	Hydrocarbon
824	P	G	G or S	3" to 10"	14 bar	Hydrocarbon
416	P	P	G or S	1" to 4"	10 bar	Light Chemicals
426	P	P	G or S	1" to 4"	14 bar	Light Chemicals
436	P	P	G or S	3" to 10"	14 bar	Light Chemicals
414	P	S	G or S	1" to 4"	10 bar	Light Chemicals
415	P	S	G or S	1" to 4"	14 bar	Light Chemicals
434	P	S	G or S	3" to 10"	14 bar	Light Chemicals
834	F	G	G or S	1" to 10"	14 bar	Light Chemicals
424	F	S	G or S	1" to 4"	10 bar	Heavy Chemicals
425	F	S	G or S	1" to 4"	14 bar	Heavy Chemicals
444	F	S	G or S	3" to 10"	14 bar	Heavy Chemicals
454	H	S	G or S	1" to 10"	14 bar	Heavy Chemicals
446	F	S	G or S	2" to 10"	7 bar	Vapor
464	P	S	G or S	2" to 10"	7 bar	Vapor
466	P	P	G or S	2" to 10"	7 bar	Vapor
864	P	G	G or S	2" to 10"	7 bar	Vapor
104	P	G	G or S	3" & 4"	10 bar	Bottom Loading
514	P	S	S	2" to 8"	10 bar	Roof/ Tank Drain
914	P	S	S	1½" to 8"	14 bar	Submersible
924	F	S	S	1½" to 8"	14 bar	Submersible
050	Polyamide	S	S	1" to 10"	Dep. on dia.	Cryogenic/ LPG

Legend

Liner

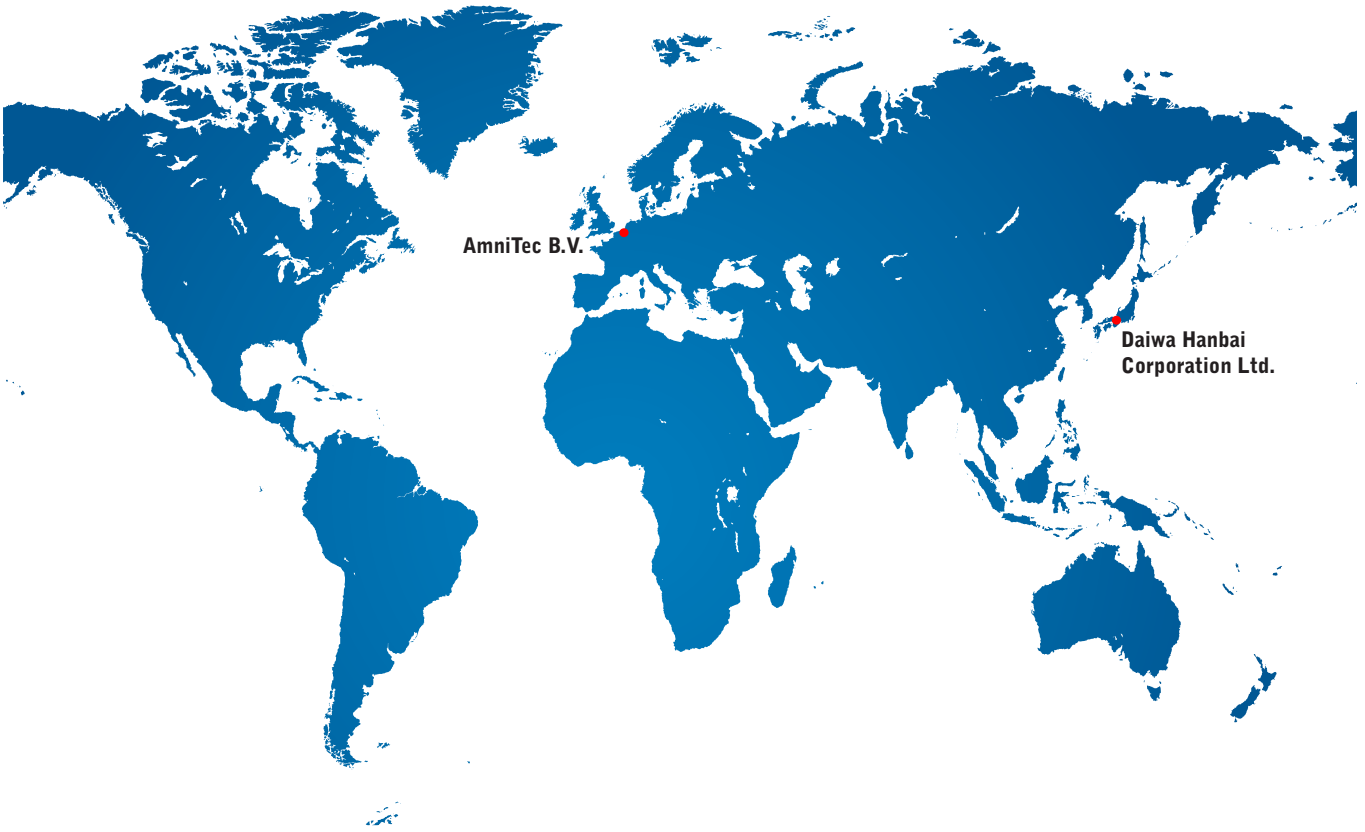
- :P = Polypropylene
- :F = PTFE
- :H = Hostaflon

Outer Wire

- :G = Galvanised steel
- :S = Stainless steel 316 or 304

Inner Wire

- :G = Galvanised steel
- :P = Polypropylene coated steel
- :S = Stainless steel 316



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