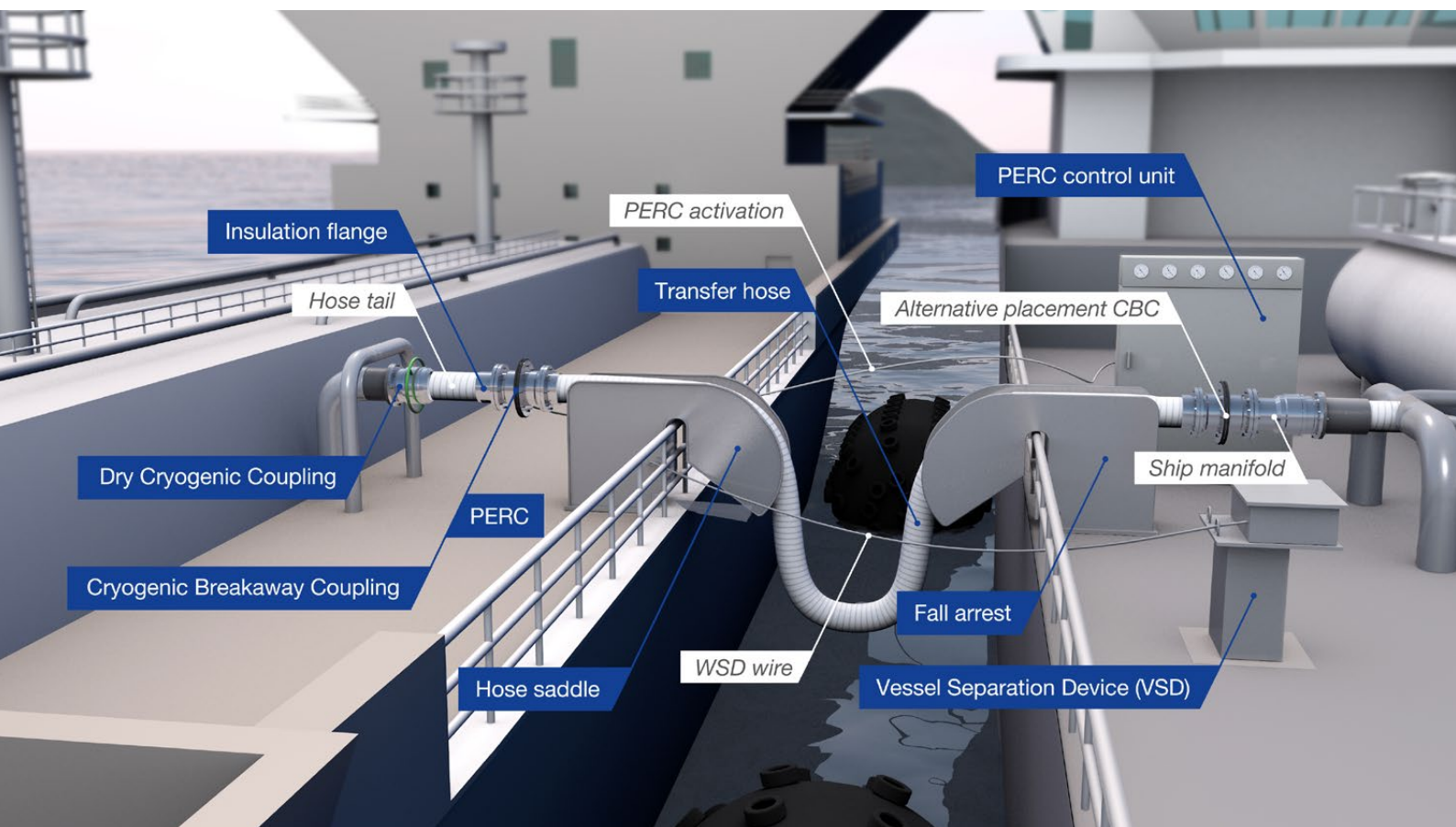


MARINE LIQUID & GAS HANDLING EQUIPMENT

LNG Transfer System Equipment · Bunkering / Cargo Hoses
Composite Hose Assemblies · Expansion Joints · Hose Reels



QUALITY FROM THE ELAFLEX GROUP

As your reliable partner for safe and durable refuelling equipment, we keep you up-to-date about our products and the latest solutions for the marine industry.

ELAFLEX is operating on a global basis through our own network of daughter companies as **MannTek** and **Dantec** offering unrivalled specialist technical support for standard and alternative fuels. We are a committed partner to our customers and manufacture products which meet the marine logistic needs.

Discover our refuelling products – for now and in the future.

EXPANSION JOINTS

Premium Rubber Expansion Joints 'ERV' are certified to global standards for use aboard ships. Type approvals are available from various notified bodies such as DNV, Lloyd's Register, American Bureau of Shipping and others. They are also standardised to German Defense Standard VG95958/95959.

All 13 different types are manufactured in Germany.

Types 'ERV-GS' and 'ERV-GS HNBR' are approved fire resistant as per ISO 15540/15541 and fulfill the requirements of the 'Marine Equipment Directive'.

ELAFLEX expansion joints are installed in all pipework systems e.g. in engine rooms, fire mains or sanitary lines to reduce vibration, absorb noise and compensate movements. Our ERV are the appropriate choice for scrubber systems.

Request online:
ervconfigurator.elaflex.de



LNG REFUELLING

A large number of LNG fueled ships, tankers or passenger ferries sail the oceans nowadays. **MannTek** has developed the well-known Dry Cryogenic Couplings 'DCC' coupling system for a safe and easy-to-use loading transfer of LNG, down to -196°C, approached to ISO 21593.

The LNG handling equipment also includes Cryogenic Breakaway Couplings 'CBC' and 'PERC' which have a well proven record for performance, reliability and safety. Working closely on-site and together with leading regulatory authorities, MannTek has gained extensive knowledge across the entire LNG value chain. Today, MannTek offers a complete LNG Transfer System to meet the needs of tomorrow's maritime industry: HPN2 power unit for 'PERC' couplings, ESD 1 & 2 vessel system, hose assemblies and accessories.

ISO / EN Standard

MannTek as a worldwide leading manufacturer offers a fully compatible series of LNG bunkering products to EN 1474-3, ISO TS18683 and ISO 21593 standards.

Request online:
manntek.se/solutions/lng-solutions



BUNKERING / CARGO HOSES

ELAFLEX produces hose assemblies conforming to the latest edition of the EN 1765 standard with pressure tests and certificates, with short lead times.

Deliverable size range DN 50 up to 250 (2" to 10"). All sizes are available ex stock – with 15 bar pressure rating and electrical continuity types 'M' (el. bonded), OHM (el. conductive) or discontinuous.

EN 1765 has approved reusable safety clamps to EN 14420 which have become the most practical assembling method. They fit perfectly onto the EN 1765 hose sizes and can be reassembled in the field, resulting in significant less downtime as well as cost savings for operators. Other assembly types such as built-in hose nipples (vulcanised), crimped or swaged ferrules are also available.

In addition, we supply composite hose assemblies to EN 13765 for cargo application in sizes up to 10".



Technical Information:
ELAFLEX Catalogue Section 1: Hoses



Request online:
hoseconfigurator.elaflex.de



HOSE REELS

Our hose reels are produced in-house to a high quality level as is expected from ELAFLEX refuelling equipment.

Supplied as a complete package including our hose assemblies up to DN 200 (8") and e.g. MannTek Dry Disconnect Couplings 'DDC' or ZVA HiFlo nozzles – almost any configuration is possible.

The hose reel package of modular design and tailored to suit your space, media and operating requirements, available with different rewind mechanisms: manual, spring, motorised (electric, hydraulic or pneumatic).

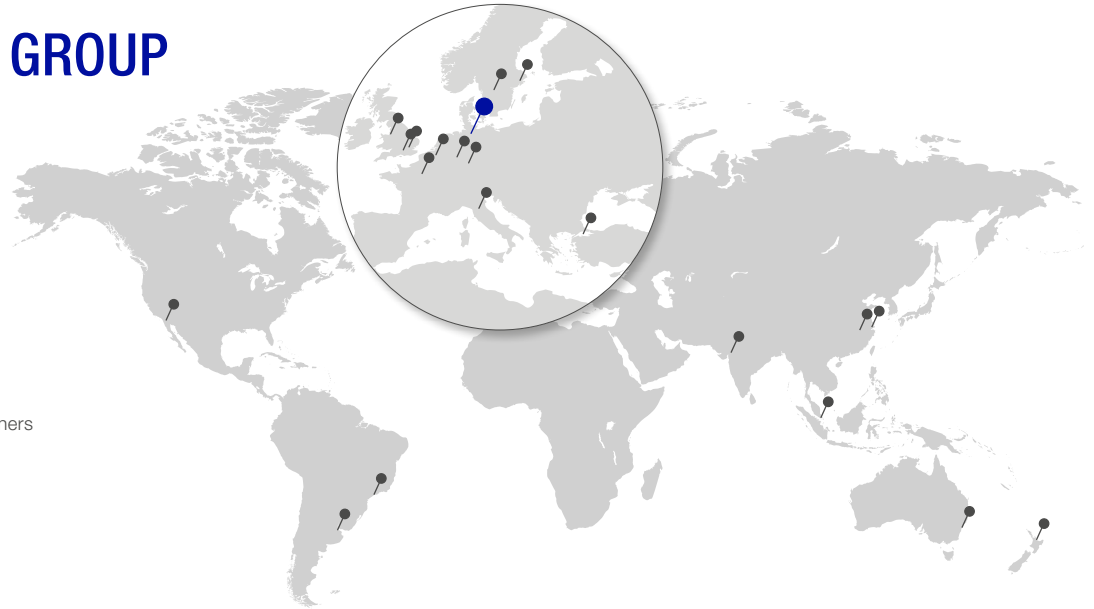
We offer them in various materials and in any colour.

The robust rewind construction makes them very durable for heavy duty and intensive use, also under rough conditions at ports or terminals.

Technical Information:
elaflex.com/HoseReels



THE ELAFLEX GROUP



Contact data of our approximately
150 distribution partners worldwide:
elaflex.de/en/contact/distribution-partners

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Composite Hose Assemblies



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