

**DOCKREEL**

THE SAFEST, MOST EFFICIENT VESSEL LOADING AVAILABLE FROM SHIP TO SHORE, AND SHIP TO SHIP



A New, Efficient Loading & Unloading System

Gone are the days of inefficient, heavy, and maintenance-prone marine loading arms. Welcome to the new world where flexibility, lower operating expense, and advanced safety features are at your fingertips. Couple that with local support, available spare parts, and the world leaders in loading and unloading technologies, and you've got a solution that will serve you and your customers long into the future.

SafeRack's DockReel system, in collaboration with Techflow Marine, allows operators across all fluid transfer industries the ability to safely and efficiently load and unload their products onto or from barges and tankers. In comparison to marine loading arms, the DockReel system is 60% lighter and requires significantly less space.

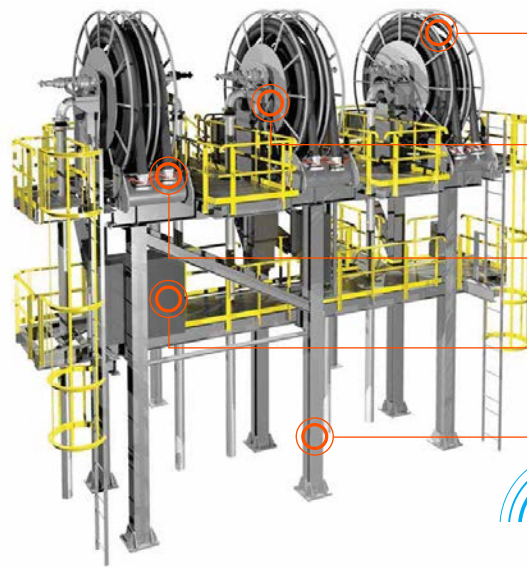
If you want reduced loading times, less demurrage and sustainable future increase in volume, the DockReel system is what you've been looking for. DockReel is based on technology already proven in the offshore oil and gas industry where Techflow Marine has supplied thousands of reels of this type on hundreds of projects. The equipment is often installed in extreme environments with some of the world's toughest safety requirements, so you can be sure that it is the safest and most convenient way to load and unload your products.

Benefits over a marine loading arm

- Significantly increased operating envelope
- Footprint size and height reduction
- 70% reduction in weight
- 25% savings in capital expenditure
- 75% savings in operational expenditure
- Reduces transfer time
- Reduces demurrage
- Allows for future expansion

- Maximum Safety
- Simultaneous Loading
- Reduce Operation Times
- Reduce Port Occupation
- Tanker Fuel Savings
- Reduce Co2

Multiple hose options are available for use with your configuration, or use of your current or spec'ed hose can be incorporated into the reel system. Our DockReel is compatible with any hose construction the product requires including: stainless steel, composite, and rubber.



Marine Emergency Break-Away Couplings

Weak link dry break couplings between hose sections

Hose Auto-Unwind Feature

Automatically deploys hose if vessel moves away, up to 1500ft

Suction & Delivery Hoses

Custom made to suit product

Power & Control

Hydraulic, electric or pneumatically driven

Raised DockReel Platform

Bespoke design to suit site application

Wireless Control Unit

Improves operator visibility & safety



NEW SYSTEM IN DETAIL

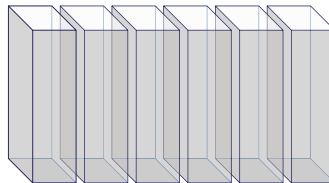
HOSE SECTION



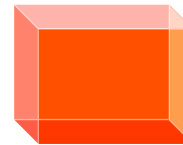
1. Exterior coating - EPDM rubber
2. Synthetic textile reinforcement
3. Steel wire spiral
4. Anti-static copper wire
5. Transparent UHMWPE liner

Suitable for working with 98% of existing chemical products

Vertical Height Reduction

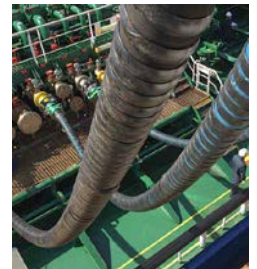


Multi-Loading Arm Arrangement



DOCKREEL

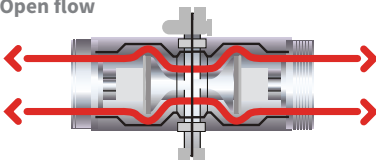
Footprint Size Reduction



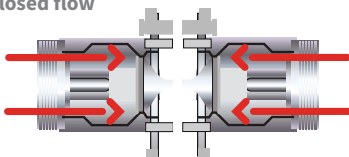
WEAK LINK, THE KEY TO SAFETY

- The new hose's safety fitting system reduces any risks to a minimum

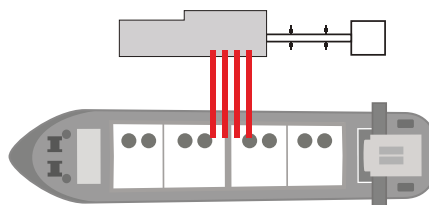
Open flow



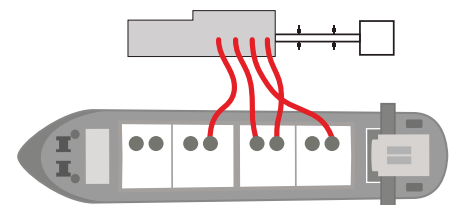
Closed flow



LOADING ARM SYSTEM



DOCKREEL SYSTEM



Simultaneous product loading with reduced operation times