

Hydraulic QC/DC Coupler – The Time-Saver

The hydraulic QC/DC coupler is used for easy connection of the marine loading arm with the ship's manifold. The coupling process is remotely controlled, allowing for a safer operation that lasts a few seconds instead of up to twenty minutes as in the case of a manually operated design!

When it comes to fluid loading, failure is not an option. We developed the **Quick Connect/Disconnect Coupler** to be the most efficient solution for transferring virtually any type of liquid, including fuel, oil and hazardous chemicals.

Thanks to its proven, specialist design, the QC/DC offers multiple benefits:



No Product Loss!

Superior design seals connections regardless of vibration, protecting them from leakage.



Safety

Always dependable, the coupler maintains secure attachment to tanker manifold even in the event of power failure. The QCDC doesn't require any manual work from the operator at the manifolds, thus minimizing the risk to on-site safety.



Resilience

The coupler permits some flexibility by compensating for up to 5 mm of unevenness of the nominal mating flange surface, simplifying operations without compromising security.



Flexibility

If required, the QC/DC can be opened manually. This way, should the power supply fail, the system will remain secure and the loading arm can be safely disconnected.



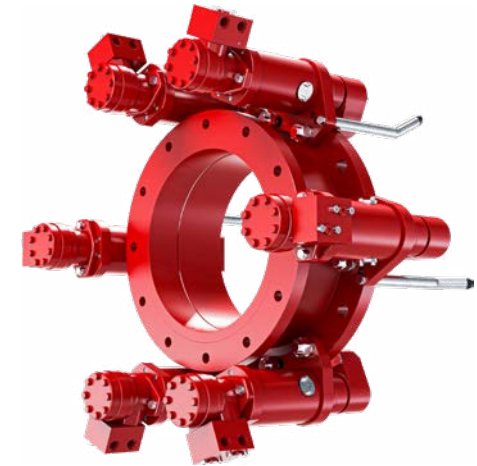
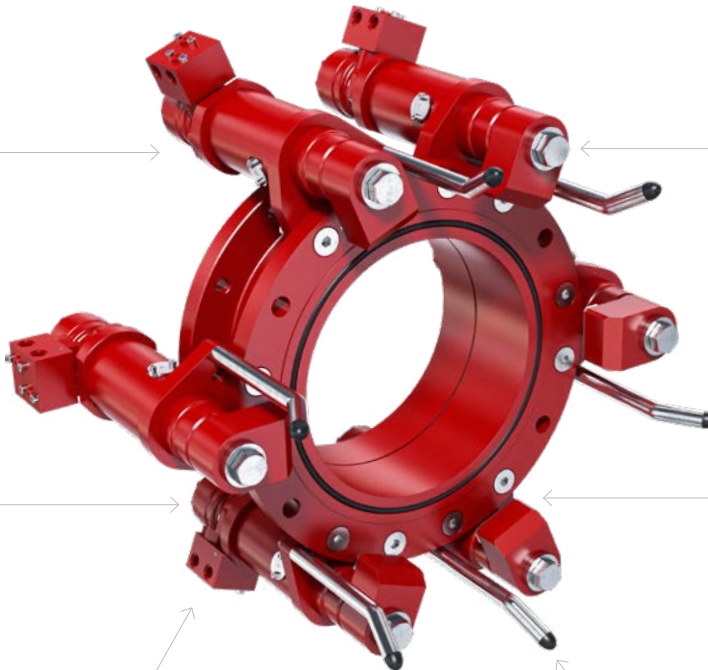
Durability

High-quality materials ensure longevity and reduce the need for maintenance almost to 0. The coupler's structure is built from high yield strength steel making it suitable for transferring virtually any liquid. The unit is also supplied with no-pressure carrying lightweight aluminium-cover.



Ensuring compliance

The QC/DC was designed and tested in accordance with the OCIMF 4th Edition 2019 specification, and adheres to the highest industry standards.



Specifications

- Pressure rate: 150 lbs / 300 lbs
- Sizes: 6" to 20"
- Materials: ASTM / DIN carbon steel (clamps and mechanical parts), aluminum (cover), elastic O-ring
- Operating temperature: -50°C to +200°C