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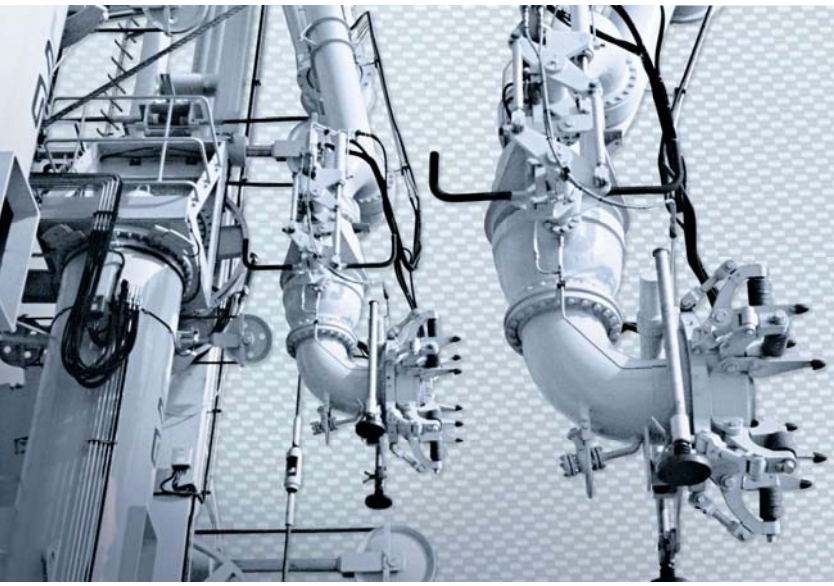


QCDC – Hydraulic and Manual Quick Connect/Disconnect Couplers for Marine Loading Arms

SVT Quick Connect/Disconnect Couplers serve to quickly connect the loading arm with the corresponding flange of the tanker.
While the standard flange connections, especially with large nominal bores, are relatively time consuming, SVT's Quick Connect/Disconnect Couplers facilitate quick, safe, and easy coupling to the tanker.

A Wide Range of Applications

All SVT Quick Connect/Disconnect Couplers share the common feature that they can be operated at temperatures ranging from –196°C to +250°C.
Different material options of the arm allow handling of the different physical and chemical characteristics of the substances to be transferred, be they poisonous, aggressive, or explosive. The SVT Quick Connect/Disconnect Couplers are vacuum-proof as well as suitable for high-pressure services.
The wide lead-in chamfers with which all SVT Quick Connect/Disconnect Couplers are equipped, ease the maneuvering of the loading arm to the tanker flange.

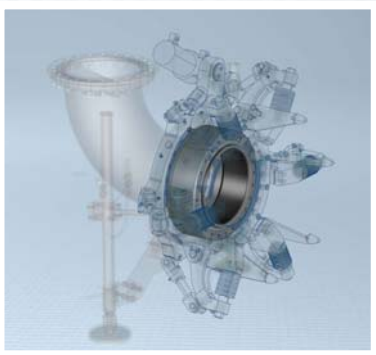
Different Sealing Systems

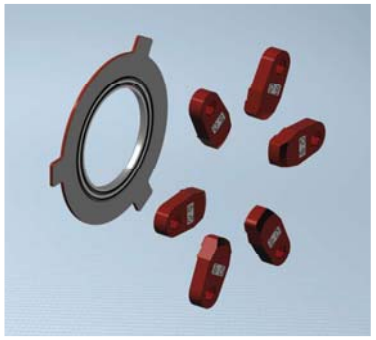
Different sealing systems and different materials (e.g. FPM, PTFE, CSM, EPDM, PE) allow for a perfect, safe adjustment to varying temperatures and different substances to be transferred.
The connecting flanges and therefore also the sealing faces of SVT's Quick Connect/Disconnect Couplers are made of stainless steel.
Various sealing systems allow the highest safety during cargo transfer even if the tanker flange is slightly damaged.

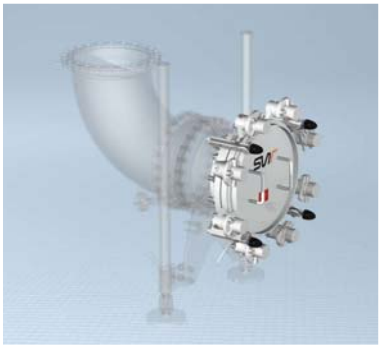
Certified Connection

SVT Quick Connect/Disconnect Couplers are available in pipe sizes ranging from 6" to 20". They are certified, designed, and produced in accordance with international standards.

QCDC
HYDRAULIC AND MANUAL QUICK CONNECT/DISCONNECT COUPLERS FOR MARINE LOADING ARMS







Hydraulic QCDC

Single Cylinder Design
The SVT Hydraulic Quick Connect/Disconnect Coupler is driven by only one single hydraulic cylinder so that all clamps are moved simultaneously with the same speed, thereby fulfilling an essential requirement of the OCIMF.
In this way malfunction is reduced to a minimum and the highest degree of capacity utilization is reached. Clamp opening and closing speed settings can be synchronized.
The well-proven mechanical interlock concept prevents the coupler from opening even in the event of complete hydraulic failure.

A Tightly Arranged Construction
In contrast to other systems, the SVT Hydraulic Quick Connect/Disconnect Couplers is positioned above the last swivel joint.
The coupler can still be dismounted from the flange but needs only a slightly larger space than a manual coupler.

Manual QCDC

Extremely Easy to Operate
The clamps are swiveled in and, with the help of an ordinary wrench, tightly fastened to the tanker flange without any effort.

Automatic Fixation
By means of optional spring actuated arrester hooks, the tanker flange has already been positioned when the QCDC comes closer, so that it is firmly arrested during the following connection.

Connecting to Varying Flange Sizes

If required, SVT Quick Connect/Disconnect Coupler can easily be adjusted to the next smaller flange size.
Only a few adapter pieces and a single wrench are needed.

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