

## RIVA MARINE LOADING ARM

The SVT RIVA Marine Loading Arm is a self-supporting Marine Loading Arm designed for the smaller range of transfer operations, normally found on barges and smaller vessels. Diameters are offered from 4" to 10" and the range of temperature from  $-20^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ . A wide selection of material options allows the loading arm to perfectly match to the substances being transferred.

This loading arm is operated manually. Under normal circumstances, regular ropes are used in its maneuvering.



### Double Counterweight System

Like its big brothers, ATLANTIC and PACIFIC, the SVT RIVA Marine Loading Arm has a double counterweight system.

Inboard and outboard arms are independently balanced by separate counterweights.



### ROTAFLEX Swivel Joints

The SVT ROTAFLEX Swivel Joints include hardened ball raceways so that additional separate raceways rings are not needed, avoiding associated problems.

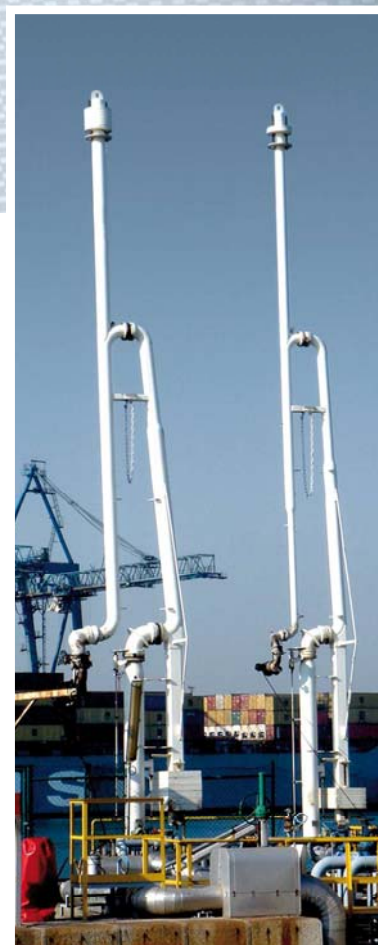
They have a double dynamic seal system with packing faces made of stainless steel for maximum reliability. The different sealing systems and materials (e.g. FPM, PTFE, CSM, EPDM, PE) allow for the proper compatible material selection.



### All-Purpose Equipment

The SVT Marine Loading Arm RIVA can be equipped with various additional accessories. SVT Quick Connect/Disconnect Couplers rapidly and safely connect the arm with the corresponding tanker flange. While the standard flange connections, especially with large diameters, are relatively time consuming, SVT's Quick Connect/Disconnect Couplers facilitate quick and easy coupling to the tanker.

Special process requirements like vacuum breaking, nitrogen purging, draining connections, or range monitoring can also be carried out.



# RIVA

## MARINE LOADING ARM

- Suitable for various substances; temperature range from –20°C to +80°C
- The loading arm is balanced in all positions by means of separate counterweights for inboard and outboard arm
- Manually operated
- Fulfills the highest safety standards with the reliable SVT ROTAFLEX Swivel Joints and the SVT Quick Connect/Disconnect Couplers (QCDC)
- Construction according to the OCIMF and other international standards
- Designed, constructed, assembled, and tested in Germany under the strict supervision of our quality control management
- Test run on SVT premises
- Saving time and money through fast installation and an initial operation of the completely preassembled loader on the jetty
- Highly experienced SVT engineers guide and assist worldwide installations and initial operations
- High reliability and low maintenance – a regular overhaul is not required



### Easy Routine Maintenance

When designing the SVT RIVA Marine Loading Arm, we focused on fast and easy routine maintenance.

All ROTAFLEX Swivel Joints are flanged on both sides to ensure easy inspection and maintenance. Because of the long-lasting lubrication, ROTAFLEX Swivel Joints practically don't need to be maintained. They run smoothly throughout their entire product lives, even when continuously moving.

The SVT RIVA Marine Loading Arm doesn't need regular overhaul.



### Fast Installation

The SVT RIVA Marine Loading Arm is delivered and installed as a whole. The installation on the jetty can be performed on land or from the water. This normally takes one or two days.



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