



MARINE LOADING ARM PACIFIC



Self-supporting for a Large Operating Reach

The SVT PACIFIC Marine Loading Arm is a self-supporting arm specially designed for fast and safe transfer of products in the medium temperature range.

With nominal bores from 4" to 20" and temperatures typically ranging from -20°C to $+60^{\circ}\text{C}$, various substances can be transported. The arm's different materials allow it to adjust to the different characteristics of the media to be transferred, no matter whether they are toxic, aggressive, or explosive.



Consistently Weight-optimised

Consistent weight-optimisation of the SVT PACIFIC Marine Loading Arm and its almost symmetrical design (without additional swivel joints) minimise the loads conducted to the foundations. This makes the SVT PACIFIC Marine Loading Arm the first choice for small foundation areas or where existing foundations are to be further used.



ROTAFLEX Swivel Joints

The built-in SVT ROTAFLEX Swivel Joints have hardened ball raceways so that separate raceways rings are not needed, avoiding associated problems.

They have a double dynamic sealing system with packing faces made of stainless steel for maximum reliability. Different sealing systems and materials (e.g. FPM, PTFE, CSM, EPDM, PE) allow for the perfect adjustment to different substances and temperatures.



All-purpose Equipment

The SVT PACIFIC Marine Loading Arm can be equipped with various additional accessories: A second product line making the loader into a real tandem loading arm with vapour return lines can be customized. For special purposes, vacuum breakers, nitrogen purging and residue draining systems, as well as process monitoring sensors and valves, are available.

SVT Emergency Release Couplers are integral components of most loading systems. Through self-monitoring of the actual loading position, looming emergency situations due to a tanker drifting off are quickly detected. In this case, the coupling will automatically be released.



- Typical temperatures ranging from -20°C to $+60^{\circ}\text{C}$
- Fully balanced in all positions by means of separate counterweights for inboard and outboard arms
- Manually or electrohydraulically operated; operating the arm from the ship by remote control is optional
- Fulfills the highest safety standards with the reliable SVT Emergency Release Couplers (ERC) and the SVT Quick Connect/Disconnect Couplers (QCDC Classic and QCDC Vario)
- Minimum spare parts storage through the use of SVT ROTAFLEX Swivel Joints
- Construction according to the OCIMF and other international standards
- Constructed, manufactured, assembled and tested in Germany under the strict supervision of our quality control management
- Test run on SVT premises with the corresponding hydraulic power unit and control system
- Saving time and money through fast installation and initial operation of the completely pre-assembled loader on the jetty
- Highly qualified and experienced SVT engineers guide and assist worldwide installations and initial operations
- High level of reliability and minimum maintenance – a regular overhaul is not required



Easy Routine Maintenance

The SVT ROTAFLEX Swivel Joints have long-lasting lubrication and therefore practically do not need to be maintained; they run smoothly throughout their entire product lives, even in continuous use.

Despite its self-supporting design, a special feature of the SVT PACIFIC Marine Loading Arm is the option of opening the flanged two-sided swivel joints, for example to inspect the seals. Thanks to the sophisticated construction, this is possible without having to support the loading arm or to introduce auxiliary structures.

The SVT PACIFIC Marine Loading Arm does not need regular overhauls – an important aspect in the total cost of ownership.



Fast Installation

The SVT PACIFIC Marine Loading Arm is delivered and installed as a whole, i.e. with its complete hydraulics (if so equipped) and electronics.

The installation on the jetty can be performed on land or from the water. This normally takes one or two days.



Double Counterweight System

The SVT PACIFIC Marine Loading Arm is equipped with a double counterweight system that allows independent balancing of the inboard and outboard arms through separate counterweights.

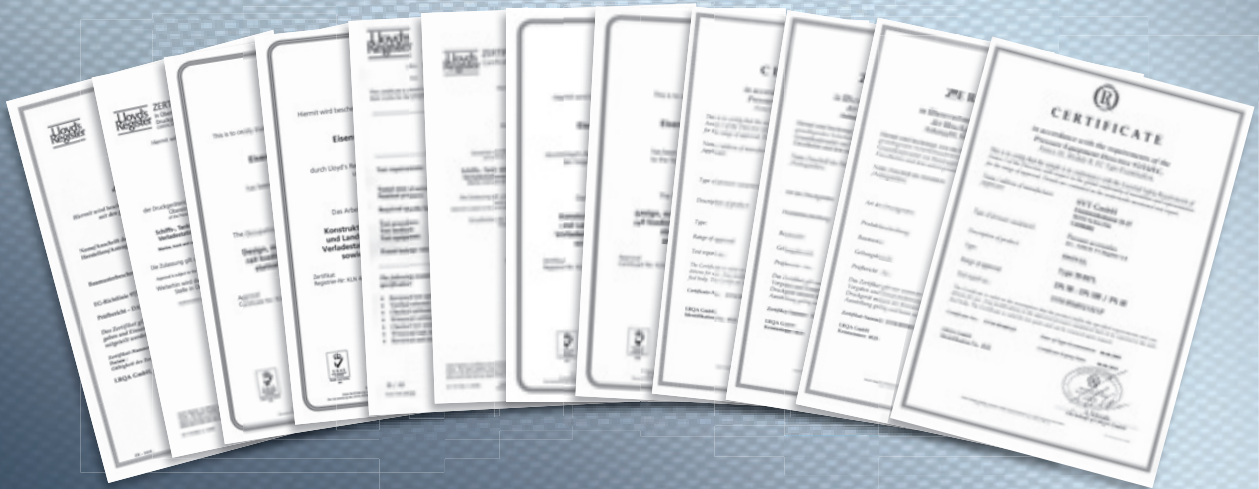
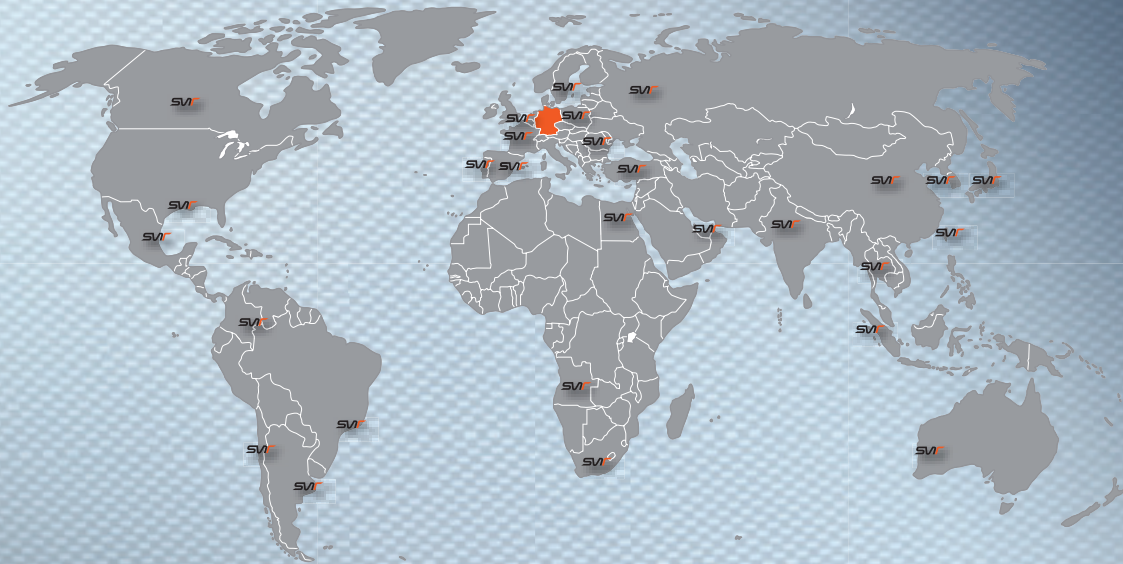
The balancing of the outboard arm is achieved by means of a pantograph cable system that ensures a constant balance of force as well as very effective shock absorbance. The cables' absorbing quality results in an extremely smooth and steady arm movement when in use. The cables are impregnated with a special lifetime corrosion protection coating and carry a safety factor of five.



QCDC Vario

SVT Quick Connect/Disconnect Couplers rapidly and safely connect the arm with the corresponding tanker flange. The newly developed manual and hydraulic SVT QCDC Vario harmonises perfectly with the SVT PACIFIC Marine Loading Arm and offers the possibility of securely and conveniently connecting to the next smallest nominal width of flange – without exchanging parts and without tools!

The low weight of the SVT QCDC Vario makes it suitable for subsequent retrofitting.



As a member of the GESCO group, SVT GmbH is one of the leading global manufacturers of loading equipment for liquid and gaseous products. SVT has more than 40 years of experience in the design, construction, and production of loading arms. Worldwide installations of loading systems also add to SVT's reputation as a reliable and innovative partner for its clients.

Still today, SVT manufactures and assembles all of its key components exclusively in Germany. Swivel Joints, Emergency Release Couplers, Control Systems, Quick Connect/Disconnect Couplers, among others, are developed, produced, and tested by SVT. This is German engineering at its best. More than 180 loading arms sold to a single customer is convincing proof of our strong belief in quality.

Regional salespeople as well as the right international contact ensure excellent service and extremely rapid response times. A team of highly qualified technicians and engineers set up, test and maintain all of SVT's installations.

Furthermore, SVT is the only company worldwide that is in possession of the technical drawings and know-how of the former Wiese GmbH and Connex GmbH.