



### Design Standards

OCIMF '99  
TA Luft VDI 2440  
CE (PED & ATEX)

### Transportation Methods

Modular Design for containerized  
Fully assembled by truck  
Fully assembled by ship

### Marine Loading Arms

EcoPro

HydroTec

CryoTec

GasTec

### Accessories

Swivel Joints

QC/DC

Emergency Release System

Hydraulic Power Unit

Control system

## GasTec Marine Loading Arm

The GasTec is specifically designed to unload compressed Natural Gas under high pressure

Suitable for operation pressures up to 100 bar at temperatures between -50 and +200°C with diameters from 6" up to 12"

### Key features

- Cable free design with adjustable balancing link
- Fully hardened replaceable cartridge swivel ball races
- Support jack bent towards ship manifold
- Provided with pressure relieve system
- Vacuum resistant block seals
- Hydraulic operation
- Supported design with single product pipe
- Only six swivel joints required with minimal jetty loads.
- Minimum pressure drop
- Zero emission
- 10 year guarantee

### Technical Details

- Hydraulically operated
- Dedicated hydraulic solenoid valves for each Marine Loading Arm
- Completely balanced, in empty or full condition
- 6" up to 20"
- -50°C / + 200°C
- Suitable for all (petro-) chemicals, liquids and gases.
- up to 900#
- Available in all materials, e.g.: Carbon Steel, Stainless Steel and Stainless Steel 316Ti

### Accessories

- Powered Emergency Release Coupler
- Quick Connect / Disconnect Coupler (with two-phase-safety-connection)
- Radio & wired Remote Control operation
- Range monitoring alarm
- Support Jack bent towards ship manifold
- Vapour return line, rigid or flexible
- Maintenance platforms & access ladders
- Easy seal replacement
- Drains, purge and instrument nozzles
- Purge and stripping lines
- Level & pressure transmitters
- Isolation flange
- Heat tracing and thermal insulation.
- Hydraulic power units
- Control Panels, including SIL Level.