



# MARINE

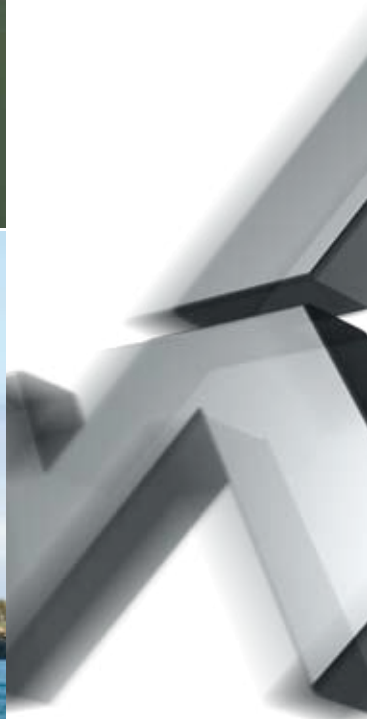


**PRODUCTS AND  
THEIR APPLICATIONS**

**LOADING  
TRANSPORTING**



**GRIPPING  
STEERING**



## MARINE

Reliability on, in and around the sea.

It is the continuous contact with salt water and a salty atmosphere, or the high water pressure, which make the utilisation of special components necessary.

Wandfluh, manufacturer for many years of hydraulic valves with additional surface protection and characteristics, which are demanded in the marine field. – Wandfluh, the ideal partner for implementing your application.

## Requirements

- ◆ Corrosion protection
- ◆ Explosion protection
- ◆ Low leakage rate
- ◆ High power density
- ◆ High reliability
- ◆ Long service life



## Products

- ◆ Spool valves
- ◆ Poppet valves
- ◆ Flow valves
- ◆ Pressure valves
- ◆ Miniature valves



## Characteristics

- ◆ Hydraulic valves (up to 350 bar / 120 l/min)
- ◆ Corrosion protected valves (up to stainless steel)
- ◆ Explosion protection valves (Ex em, Ex d, Ex ia)
- ◆ Spool valves with low leakage rate
- ◆ Valves for underwater applications
- ◆ Individual customer-specific adaptations
- ◆ Many years of experience
- ◆ Manufacturer of high-grade Swiss quality products
- ◆ Worldwide sales network

## Applications

- ◆ Axis steering of port cranes
- ◆ Winch controls
- ◆ Remote actuation of ball valves and butterfly valves
- ◆ Steering of ROVs
- ◆ Movement of the manipulator arms of ROVs
- ◆ Process control





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