

Emco Controls

CONSTRUCTION AND DESIGN OF INSTRUMENTS FOR FLOW, LEVEL AND TEMPERATURE



LIQVEL Liquid Level Switch



# LIQVEL LIQUID LEVEL SWITCH

## APPLICATION

The EMCO Level switch is designed to control the liquid level in vessels containing corrosive or non corrosive liquids.

## FUNCTION

The EMCO Level switch can be mounted horizontally or vertically, but horizontal mounting is the most common.

The float lever carries a permanent magnet which is opposed by a similar magnet mounted in the switch housing. The magnets having the same pole directed toward each other are separated by a non-magnetic diaphragm. The glandless construction offers excellent sealing.

## CONSTRUCTION

The EMCO Level switch consists of 3 main parts :

1. Housing with switch, electrical or pneumatic
2. Mounting flange
3. Float

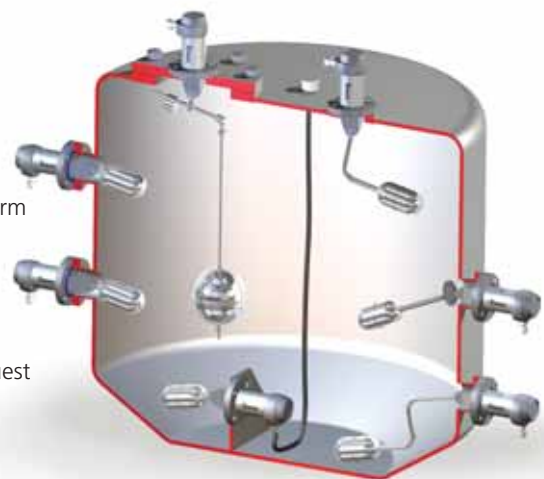
The modular construction of the EMCO Level switch offers excellent flexibility to suit customers' requirements.

## FEATURES

- Easy to install • Very high flexibility • Fast delivery • Type approved by Det Norske Veritas, Lloyds Register of Shipping and Bureau Veritas • Applicable for high temperatures.

## TECHNICAL SPECIFICATIONS

Switch housing:	Standard stainless steel, option aluminium
Wetted parts:	Stainless steel AISI 316
Specific gravity:	Standard 0,7 min. 0,5
Max. working pressure:	EMCO flange 40 bar Standard flange 100 bar Standard flanges to DIN or ANSI/ASME norm
Max. working temperature:	Depending on switch type
Enclosure:	IP 65, IP 68 with 3x1,5 mm <sup>2</sup> ships cable on request
Electrical gland connection:	M20 x 1,5 mm
Option:	Hirshmann, Schaltbau or other make of connector



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