

EMCO By-Pass Level Measurement Chambers Series RLI

Principle

EMCO by-pass chamber is connected to the side of the vessel applying the principle of communicating vessels. The chamber acts as a stilling well.

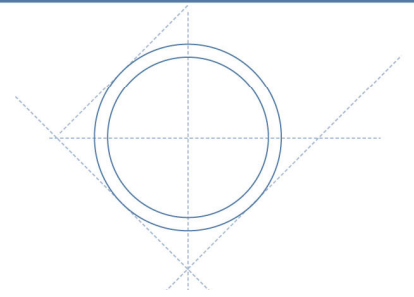
Application

EMCO by-pass chambers are used with electronic level transmitters based on GWR (Guided Wave Radar), conductance, capacitance or displacer principle for protection against turbulent and agitated liquids

Technical Data

Design standards	: PED 2014/68/EU, ASME B31.1 and B31.3
Connection positions	: side – side, side - bottom, left or right hand side,
Chamber sizes	: DN 50, DN 65, DN 80, 2", 3", 4"
Measuring range	: up to 6000 mm
Material, chamber	: carbon steel A105 or A350 LF2, A182 F5 or F9, AISI 316, 22Cr duplex, 25Cr duplex, 6Mo, Titanium, Hastelloy B and C, Monel 400.
Instrument connection	: thread 1/2", 3/4" 1" BSP or NPT Flange DN 25, DN 40, DN 50, DN 80, 1", 1 1/2", 2", 3"
Pressure ratings	: PN 10 to PN 400, 150 lbs to 2500 lbs
Vessel connection	: DN 25, DN 32, DN 40, DN 50, 1", 1 1/2", 2" flanges to EN, DIN or ANSI standards, other on request
flange facing	: RF or RTJ
Vent connection sizes	: 1/2", 3/4", threaded or flanged
drain connection sizes	: 1/2", 3/4", threaded or flanged
Coating	: on request





Material is sourced from approved manufacturers to meet specific customer requirements and general material standards like NORSOK M-630, Quality Track Record (QTR) in accordance with M-650 can be provided

Welding is performed in house using certified WPQR and WPS.

Accessories

Isolating, drain and vent valves.

Steam jacket.

Pressure Equipment Directive 2014/68/EC

The EMCO liquid level gauges are fully in compliance PED 2014/68/EC
The volume and the small sized pipes mean that the EMCO glass level gauge fall under Article 4, Paragraph 3, also known as SEP (Sound Engineering Practice) therefore, the level gauges shall not and must not be CE marked

Certification

EMCO Controls is certified to ISO 9001-2008 and EN-3834-2

Documentation

Dimensional drawing, material certificate, QTR, pressure test certificate, Certificate for sour service to NACE MR-01-75/ISO 15156, PMI test, NDT of welding (if any) to EN, ASME or NORSOK M-601 standards.

