

## Application

BVC float level gauge is designed to measure level of liquids in storage tanks, including measuring in explosive environments.

The BVC gauge is an electronic instrument which uses small magnetic reed contacts to create resistance measuring chain. Standard 4-20 mA two wire current signal is used as output. Level gauge can also be equipped with Pt100 temperature sensor with appropriate current transmitter.

## Functional description

- selectable measuring range
- optional built-in temperature sensor Pt100
- standard / Exi version
- selectable material of wetted parts
- selectable float type
- selectable connection - flange, threaded joint G3/4"

## Technical data

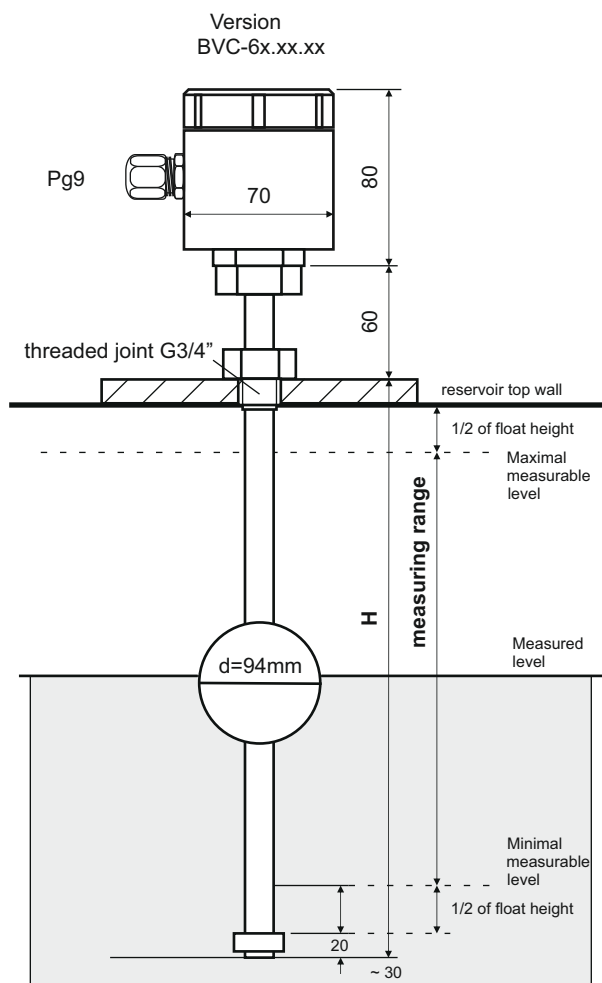
- measuring range up to 5 m
- magnetic reed spacing 5, 10 or 20 mm
- machined aluminium head
- output R/I 4-20 mA  
R/U 0-10 V
- optional built-in temperature sensor Pt100
- standard or Exi version - simple apparatus
- wetted parts material SS or PP
- floats for mass density of liquid from 0.7 kg/dm<sup>3</sup>
- standard connection - threaded joint G3/4"
- temp. at the measurement point -30 - +105°C
- housing protection IP65/66

## Certifikace

- EC declaration of conformity
- ISO9001/2016



## Overall dimensions



### Specification table

BVC- X X. X X. X X

6						Head type	BVH6 aluminium head
9							According to the agreement
1						R05 (5mm)	
2						R10 (10mm)	Magnetic reed spacing
3						R20 (20mm)	
1						1	Number of floats
9						x	According to the agreement
3						Standard enviroment	Standard environment version
1						Stainless steel	
2						Polypropylen	Material of wetted parts
4						Output signal	Level 4-20 mA, two wire
5						Output signal	Level + temperature 4-20 mA, two wire
9						According to the agreement	According to the agreement

Integral part of orderis also filled-in questionnaire available separately.

### Specification table for Exi version

BVC- X X. X X. X X

6						Head type	BVH6 aluminium head
9							According to the agreement
1						R05 (5mm)	
2						R10 (10mm)	Magnetic reed spacing
3						R20 (20mm)	
1						1	Number of floats
9						x	According to the agreement
2						Zone 2	zone 2, Exi buil-in components are connected to external explosion proof equipment
1						Stainless steel	Material of wetted parts
4						Output signal Exi	Level 4-20 mA, two wire
5						Output signal Exi	Level + temperature 4-20 mA, two wire
9						According to the agreement	According to the agreement

Integral part of orderis also filled-in questionnaire available separately.

### Schematic diagram

Two wire design

