Application

Float level switches are designed to measure level of liquids in storage tanks, including measurin in explosive environments.

The BLC switch is an floa instrument which uses small magnetic reed contacts to create electrical output signal.

Function description

- selectable number of switches and their level
- standard or Exi version
- selectable wetted parts material (SS or PP)
- selectable float type
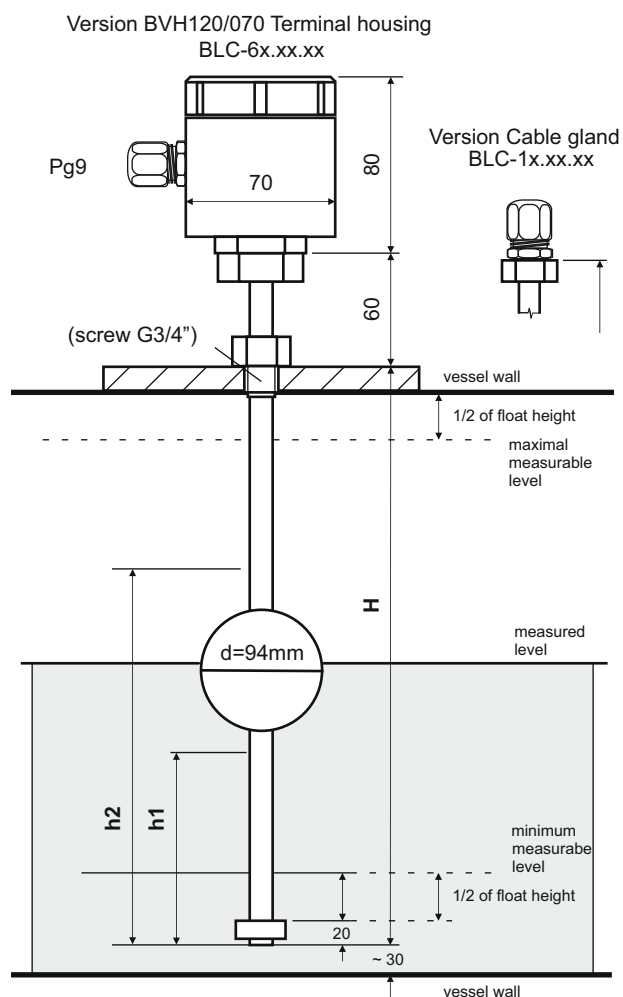- selectable process connection - flange, screw

Technical data

- up to 4 detected levels
- guidig tube up to 5 m
- die cast aluminium terminal housing
- standard or Exi version - simple apparatus
- material version SS/PP
- floats for liquids from 0.6 kg/dm3
- standard process connection: G3/4"SS
- temperature at measurin point -30 to 60/105°C
- protecion level code IP65

Certification

- declaration of conformity EU
- ISO9001/2016

Overall dimensions

Version BVH120/070 Terminal housing
BLC-6x.xx.xx

Version Cable gland
BLC-1x.xx.xx

Pg9

70

80

60

(screw G3/4")

vessel wall

1/2 of float height

maximal measurable level

H

measured level

d=94mm

h2

h1

minimum measurabe level

1/2 of float height

20

~ 30

vessel wall

Ekorex-Consult, spol. s r.o.   Na Lužci 657
533 41 Lázně Bohdaneč   tel: +420 466 921 078   e-mail: obchod@ekorex.cz
www.ekorex.cz

Specification table

BLC- X X. X X. X X

1						Terminal head	Pg9 cable gland
6							BVH6 terminal head
9							Accordin to agreements
	1					1	
	2					2	Number of switches
	3					3	
	4					4	
		1				1	Number of floats
		2				2	
		3				3	
		4				4	
			3			Environment	Standard
				1		Stainless steel	Wetted parts material
				2		Polypropylen	
					0	Switch connection type	Independent switch
					1		Common terminal

Integral part of the order is also filled-in questionnaire available separately.

Specification table Exi

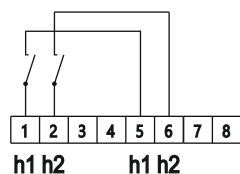**BLC- X X. X X. X X Ex**

1						Terminal head	Pg9 cable gland
6							BVH6 terminal head
9							Accordin to agreements
	1.					1	
	2.					2	Number of switches
	3.					3	
	4.					4	
		1				1	
		2				2	Number of floats
		3				3	
		4				4	
			2.			Zone 2	Terminal head for placemnet on zone 2 Buil-in passive components are conncted to an external intrinsically safe device
				1		Stainless steel	Wetted parts material
					0	Switch connection type	Independent switch
					1		Common terminal

Integral part of the order is also filled-in questionnaire available separately.

Schematic diagram

2 independent swich type   **Common terminal switch type**

Ekorex-Consult, spol. s r.o.   Na Lužci 657   tel: +420 466 921 078   e-mail: obchod@ekorex.cz
533 41 Lázně Bohdaneč   www.ekorex.cz