DISIBEINT

IBT PVC

OPTICAL CONTROL

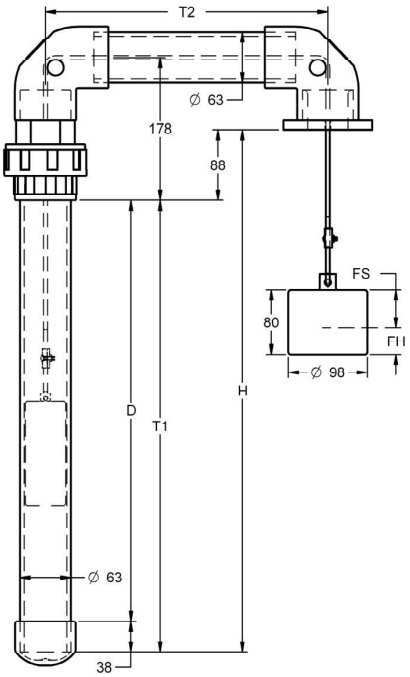
	Application	For the optical control and/or electrical liquid level in tanks at atmospheric pressure. Easy installation.
	Operating principle	When the float rises or falls due to changes in liquid level, the external counterweight shows the same situation. Can be incorporated electrical contacts or analogue sensors to make an electrical control of the level. (See accessories on page 2)
	Differential character	Visualization of liquid level in the external tube is opposite to reality. That is, when the level is maximum, the counterweight is situated at the bottom of the tube and vice versa.
Body	Process connection	By flange Ø110 mm. PVC For attaching to the main flange of process (min. DN100, not supplied).
	Measuring distance (D)	Supplied in lengths of 1 and 2 m.
	Closing top	PVC
	Tube	Ø 63 mm. Glass PVC
	Pressure	Atmospheric
	Temperature	-10..+60 ºC
	Protection	IP20

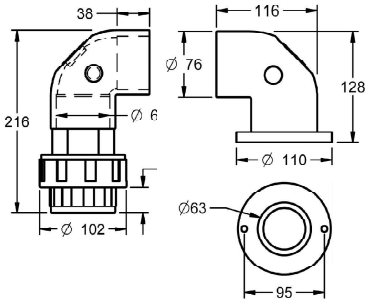
Float			
	Model	Cylindrical. Ø98x80 mm. PP (IBT90PP)	Cylindrical. Ø90x90 mm. PVDF (IBT90PVDF)
	Weight (g)	508	508
	Liquid density (g/cm³)	e > 0,7 g/cm³	e > 0,7 g/cm³
	Temperature (ºC)	-10..+80 ºC	-10..+130 ºC
	FS / FH (mm)	47,2 / 32,8	50 / 36
	FS FH		

Counterweight		**CBBP 63**	**IBT 63**
	Dimensions	Ø49x130 mm	Ø49x95 mm
	Weight (g)	170	170
	Material	PP	PP
	Function	For BPCB 63 detector	-
			

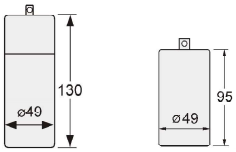
Viewer elbow	Dimensions	Bent in elbow 90º. Ø76x216 mm
	Material	PVC
		It incorporates sleeve junction with glass tube
Tank elbow	Dimensions	Bent in elbow 90º. Ø76x128 mm
	Material	PVC
		Incorporates flange junction to DN flange

Dimensions





Viewer elbow *Tank elbow*



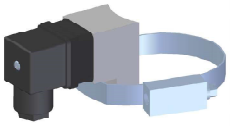
CBBP 63 *IBT 63*

ELECTRIC CONTROL ACCESSORIES

For more information, see the specific documentation of each product

Free potential contacts (BPCB 63)

Bistable contact for detection of level. Activation of the contact is made by the float. When the latter, pushed by the action of the liquid reaches the height of the contact, the latter switches its state and stays that way until the float drops.



Level magnetic transmitters

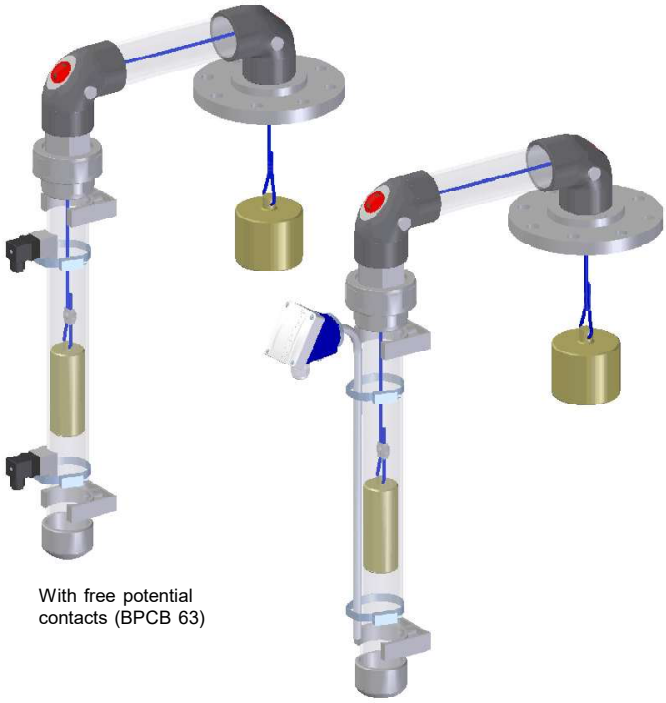
TMN 300 BP INOX : Out-put 4-20 mA
TMR BP INOX : Resistive out-put

When the float rises or falls due to the action of liquid is turned on or off a succession of reed contacts to generate an output proportional to the height of level.

GENERAL ACCESSORIES

Glass PVC tube		· Glass tube, Ø63 mm · PVC transparent · Supplied on sections of 1 and 2 m
Bracket		· Bracket for tube support Ø63 mm · PVC grey · It is advisable use a minimum of 2 pieces
Tube link		· Link for PVC Glass tube Ø63 mm · Requires many pieces as junctions between tubes exist · Each link increases the total length of 3 mm
Bottom plug		· Bottom plug Ø63 mm · PVC grey
DN100 flange		· Main flange process for attaching the IBT by tank elbow
Rope		· Rope, Ø4 mm · PP blue

INSTALLATION EXAMPLES



With free potential contacts (BPCB 63)

With level magnetic transmitters (TMN/TMR)

Reference composition

If the heights H and T2 are supplied, the necessaries general accessories are supplied

The accessories foir the electrical control must be ordered separately

* Standard values

IBT ☐ PVC / ☐ H ☐ / ☐

No magnet in counterweight		
Magnet inside counterweight	C	
Float IBT 90	PP	*
	INOX	
	PVDF	
Total height of tank (H)	(mm)	
Separation distance (T2)	(mm)	

To compose a reference, select an option from each of the columns.
Example: **IBT PVC / PP C 80 H2000 / 400**

DISIBEINT
Segle XX, 91
E08032-Barcelona
+34 934 330 370
www.disibeint.com
disibeint@disibeint.com