

# FLOAT-OPERATED LEVEL CONTROLLER

## MODEL : BCL

Model BCL vertical float-operated level controllers are designed for control of water level in steam boilers and other vessels and storage tanks.

### OPERATION

A float with a mounted magnet slides in dependence on the change of level. The magnet slides in a non-magnetic stainless steel tube and controls magnetic switches, arranged along the tube, by either breaking or making the corresponding circuit connected to feed pump, signal unit or fuel supply.

### SPECIFICATIONS

Maximum permissible working pressure

10 Bar , 16 Bar , 25 Bar , 30 Bar

Maximum permissible working temperature

250°C

Magnetic switch bi-stable

Switch maximum permissible load

AC 250V. 2A

Maximum number of switches 6.

Minimum distance between two switchings

15mm

Maximum distance between high and low level

170mm or 320mm

Output signal 4 ~ 20 mA



Flange standard ASA 150RF, 300RF

JIS 10KG, 20KG, 30KG

DIN PN 16, PN 25

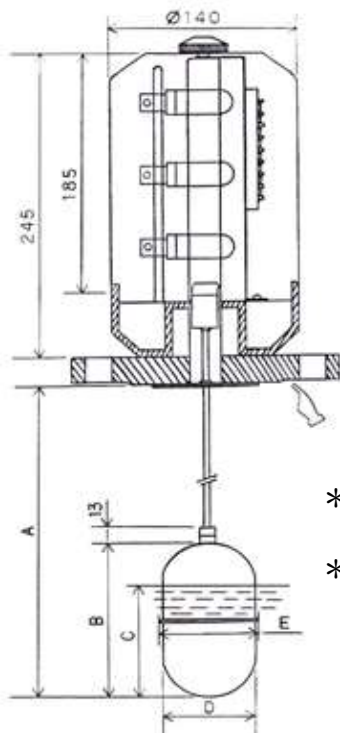
Flange material SF45, SU304, 316

Float, tube material SUS304, 316

Housing material Aluminium Alloy

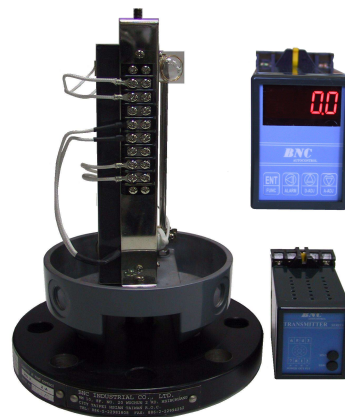
## Model No. Table

Basic Model No.	Flange Size & Rating		Flange Material	Switch Unit	Description
BCL					
	-3 -4 -6	A	1		ASA 150 LB RF
			2		ASA 300 LB RF
			3		ASA 600 LB RF
	-4 -6	J	1		JIS 10K RF
			2		JIS 20K RF
			3		JIS 30K RF
			4		JIS 40K RF
	-4 -6	D	1		PN 16 RF
			2		PN 25 RF
			3		PN 40 RF
			1		SF 45
			2		SUS 304
			3		SUS 316
				-1	With 1 switch
				-2	With 2 switches
				-3	With 3 switches
				-4	With 4 switches
				-5	With 5 switches
				-6	With 6 switches
				-7	4 ~ 20 mA Output



\* FLANGE SIZE: 3", 4", 6"

\* RATING:  
 JIS -10, 20, 30, 40 K  
 ASA -150, 300, 600 LB  
 PN -16, 25, 40



BCL-7N type  
 With 4-20mA Output  
 (Display Optional)

\* DIMENSION

	3" / 4"up
A:	Multi-Size Customizable
B:	125 / 143 mm
C:	90 / 110 mm
D:	68 / 75 mm
E:	72.5 / 79 mm