



VINCOS

BOILER WATER LEVEL CONTROL

SPECIFICATION SHEET

Introduction:

Boiler Water Level Controls are Magnetically operated Controls, Vertical Type in Float Chambers, meant for external Mounting on Steam Boilers and are designed to meet such requirements of Controls as Automatic on/off Control of Boiler Feed Pump, High and / or Low Level Alarm, Burner cut out or any combination of these. These are mounted with independent Steam and Water connections with isolating valves and normally mounted vertically close to the Boiler Gauge Glasses.

Operation :

A permanent Magnet of the Float Rod Slides vertically inside a non-magnetic centre Tube and transfers the movement of the Float to a secondary Magnet in each Switch Unit. Self holding Switch Units, located on vertical support Rods in proximity to the Centre Tube and positioned by Clamp Screws, have 2 pairs of contacts operated with a snap action and held by repulsion between the secondary and Tertiary Magnets of the Switch Unit Assembly.

The Switch Units have S.P.D.T. Contacts having the following Current carrying capacity.

AC (25 to 60 c.p.s.)	DC Inductive Loads
Power Factor 1 to 0.4	Time Constant L/H = 40 millisecc. max.
4A at 110V	0.25 A at 50V
2A at 250	0.17 A at 110V
1A to 440V	



Each Switch Unit will incorporate a four way Terminal Block. The Switch Head will have two 1" Conduit entries.

Adjustments :

The Switch Head incorporates two/three/Four sets of Switch Units and "Differential" in operation between the sets are adjustable.

Version :

- i) Side and Bottom Version with ends to 1" NB, BS 10, Table 'H' suitable for a maximum operating Pressure of 250 psig (17.5 kg/cm²) of Steam.
- ii) Side and Side Version with ends to 1" NB, BS to Table 'H' suitable for a maximum operating Pressure of 250 psig (17.5 kg/cm²) of Steam.
- iii) Side and Side Version with ends to 1" NB, BS 10 Table 'J' / ANSI B 16.5, -150, 300 and 600 LBS Ratings, suitable for related operating pressures of steam, with Centre to Centre distance of Flanges at 216mm / 340 mm / 400 mm / 4550 mm etc. suiting customers requirements.

Warranty :

Products guaranteed for 12 months from date of supply against defective workmanship.

VENKATESHWAR INSTRUMENTATION & CONTROL SYSTEMS PVT. LTD.

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BOILER WATER LEVEL CONTROL SPECIFICATION SHEET

Introduction :

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The Switch Units have S.P.D.T. Contacts having the following Current carrying capacity.

AC (25 to 60 c.p.s.)	DC Inductive Loads
Power Factor 1 to 0.4	Time Constant L/H = 40 millisecc. max.
5A at 250V	0.33A at 110V
3A at 440V	0.25A at 250V



Each Switch Unit will incorporated a four way Terminal Block. The Switch Head will have two 1" Conduit entries.

Adjustments :

The Switch Head incorporates two/three/Four sets of Switch Units and "Differential" in operation between the sets are adjustable.

Version :

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- iii) Side and Side Version with ends to 1" NB, BS 10 Table 'J' / ANSI B 16.5, -150, 300 and 600 LBS Ratings, suitable for related operating pressures of steam, with Centre to Centre distance of Flanges at 216mm / 340 mm / 400 mm / 450 mm etc. suiting customers requirements.

Warranty : Products warranty for 18 months from date of supply against defective workmanship.

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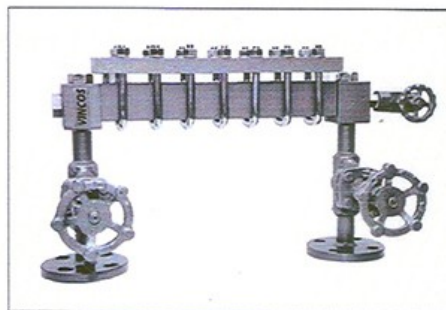
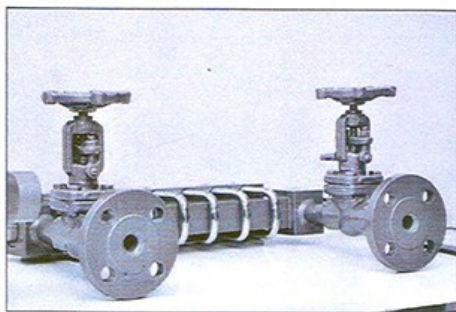
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REFLEX TYPE LEVEL GAUGE ASSEMBLY



With the help of our experts, we are able to manufacture, export and supply an excellent assortment of **Reflex Type Level Gauge**. This level gauge is designed for the applications that involve high temperature and pressure along with the usage of corrosive fluids, steam, Water for Boilers, Tanks etc. The offered level gauge is manufactured using premium quality components and the latest technology as per the set international standards under the stern observation of our adroit professionals. Further, we are offering this **Reflex Type Level Gauge** to our clients.

Features
1. Longer service life
2. Precise Measurement
3. IBR Certification

Components Used	
<ul style="list-style-type: none"> • Liquid chamber • Cover Plate • Gauge Glass (Reflex) • Gasket • Cushion • Globe Valve • Vent Plug • 'U' Bolts 	<ul style="list-style-type: none"> • Process Connection • Drain Valve • Auto Ball Check • Adapter • Studs • Nuts & Washer

Specifications

Gauge Classification	Low pressure x 35 kg/cm ² , Medium pressure x 85 Kg/cm ²
Test Pressure	High pressure x 165kg/cm ² , Very high pressure x 210kg/cm ²
Gauge glass	Klinger Tempered soda ash/Borosilicate(30w x 17mm Thick)/ Klinger Tempered borosilicate (34wx 17mm Thick)
Cushion/Gasket	Spiral wound with graphite Filler, Teflon, Non-asbestos, Metallic.
Body(Liquid chamber)	ASTM A-105
Cover plate	ASTM A-105
Chamber Connection	1/2" NPT, M-20
Bolts	A193 Gr.B7, EN-19, EN-8, A-105
Nuts	A194 Gr.B4, EN-19, EN-8, A-105
Gauge connection	Hook up side-side chamber or Straight thru' top-bottom chamber
Process(vessel) connection	Flanged 20 or 25 NB to BS-10 Table 'H' or Table 'J', CL-300, CL-600 or as per requirement.
Isolating Valves	Globe Valve with Auto ball check
Vent	1/2"NPT, M-20
Drain	1/2"NPT, M-20
CC Distance(mm)	300 mm, 400 mm or as per requirement
Certification	IBR

Venkateshwar Instrumentation & Control Systems Pvt. Ltd.

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