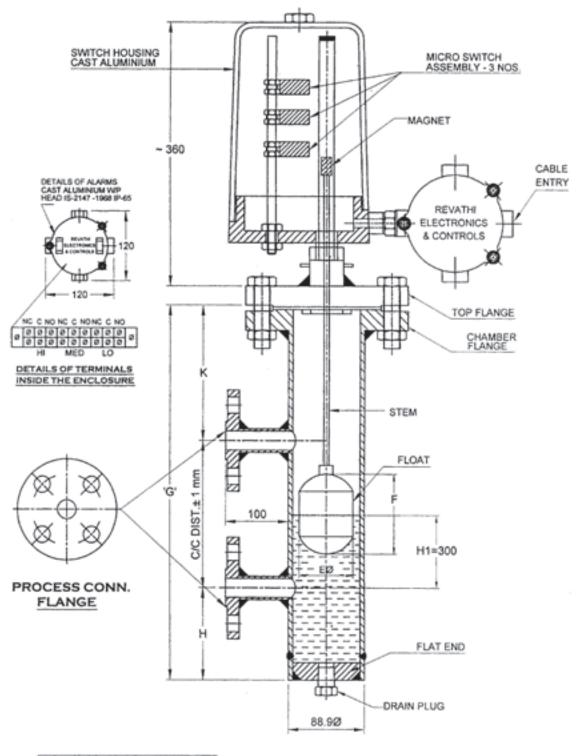
ITEM : IBR APPROVED BOILER DRUM LEVEL SWITCHES WITH 2/3/4 POINTS SWITCHING ACTION. REFER OUR G. A. DRG. NO. RECSMLS-102-WPM-A/O.

EXTERNAL CAGE TYPE FLOAT OPERATED BOILER LEVEL SWITCH



					C/C DISTANCE
63	150	750	150	150	450

ITEM

: SIDE MOUNTED MAGNETIC LEVEL INDICATOR WITH ROLLER TYPE INDICATION WITH & WITHOUT SWITCHES FOR ALL SERVICES LIKE LOW SP.GR.LIQUID. FULL VACUUM, HIGH PRESSURES UPTO 320 BARS, LOW AND HIGH TEMP, APPLICATIONS LIKE NH3, LPG & DOWTHEM ETC.

REFER OUR GENERAL ARRANGEMENT DRG.NO.RSMLIRA-3000

PRINCIPLE OF OPERATION:

SS float which is equipped with alnico magnet moves up or down alongwith level rise or decrease. This float magnets movement will be magnetically coupled to the colored roller outside the chamber with scale for indication.

MATERIAL SPECIFICATIONS:

 1.
 Type
 : Magnetic.

 2.
 mounting
 : Vertical side-side

 3.
 C / C distance
 : To mention

 4.
 Visible length
 : Same as C/C distance

Service : To mention
 Op.pressurekg/cm2g/temp.* C /Sp.Gr. : To mention

Hydro test pressure
 Process connection size & rating
 1.5 times of max. Op.pressure
 4" ANSI 150 # RF flanged or to mention

9. Process flange material : To mention
10. Float Material : SS304/SS316/PP/PVC/HDPE/PVDF/PTFE

10. Float Material : SS304/SS316/PP/PVC/HDPE/PVDF/PTFE
11. Wetted parts Material : SS304/SS316/PP/PVC/HDPE/PVDF/PTFE

12. Scale : Linear marking i.e. acrylic / SS white background with black marking in cms. lines are engraved @each 10mm

13. Vent & Drain : ½" BSP (F) with plug

14. Indication : Local indication

15. Accuracy : ± 10mm of the full scale

16. Gaskets : Will be Teflon

 16.
 Gaskets
 : Will be Teflon

 17.
 Bolts & Nuts
 : SS304

18. Alarms / Qty : If required will be provided as per our general arrangement DRG NO. RSMLIRA-3000

19. Enclosure / Cable entry : Weatherproof or flameproof / '%' ET (F)

LIMIT SWITCHES FOR SWITCHES

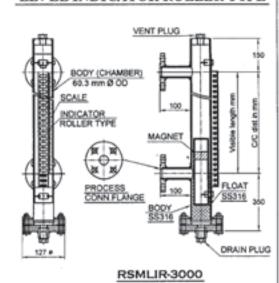
One or two or four limit switches may be provided externally to the indicator as shown in our drg.no.RSMLIRA-3000, and these switches will changeover their contacts as soon as the level sensed by the float increases or decreases above the set point.

Contact rating : 230 VAC 5 A (surge) 60 W / VA . 1 NO. SPDT Contact for

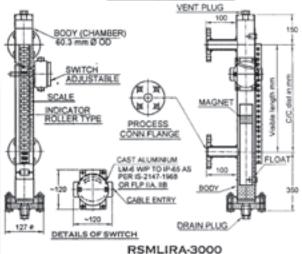
each level sensing.

No of switches : To Mention

SIDE MOUNTED MAGNETIC LEVEL INDICATOR ROLLER TYPE



SIDE MOUNTED MAGNETIC LEVEL INDICATOR ROLLER TYPE WITH SWITCHES



: TRANSPARENT TYPE LEVEL GAUGE ITEM

REFER OUR GENERAL ARRANGEMENT DRG.NO. RLGTSS-1000.

PRINCIPLE OF OPERATION:

The liquid is contained between the two sight glasses and under normal conditions the level of liquid is visible as it is thr9ough naked eye. The indication is very clear. An illuminator is mounted on the rear side of the gauge when required. Its light rays are deflected by a louvered screen upwards into the liquid column. Due to the provision of illuminator the light rays which impinge on the surface of the meniscus are reflected back to the eyes of the observer. Due to the above he sees in the gauge the illuminated surface of the liquid.

Colored media are easily observed. An illuminator helps to view in an error free manner in the case of water clear media or steam.

MATERIAL SPECIFICATIONS: Type Transparent Mounting 2. Side-Side / Top-Bottom 3. C/C distance To Mention 4. Visible length /No. of section To Mention 5. To Mention 6. Op. pressureKg/Cm2g/ temp.* C/ Sp Gr. To Mention 1.5 times of Max. Pressure 7. Hydro test Pressure Kg/Cm2g 8. Process Conn. Flange size & rating To Mention Process Conn. Flange Material To Mention 10. Material of Glass Toughened Borosilicate Imported Klinger / Maxos make Material of Construction CS/SS304/SS316/PP / PTFE 11. 12. Material of Cover Plate CS to ASTM A-105 (Non wetted parts) 13. Valve Type / Design Ball check / Auto Shut- Off 14. Valve Body Material CS/SS304/SS316/PP/ PTFE 15. Valve Trim Material SS 316 Vent / Drain connection 1/2" NPT (F) with Plug (OR) To Mention 17. Material of bolts & nuts ASTM A-193-B7 & ASTM-A-194-2H Gaskets/seals 18. CAF / Teflon Scale 19. Linear marking i.e. SS white background with black marking in cms. Lines are engraved @ each 10mm. 20. Qty To Mention

TRANSPARENT LEVEL GUAGE VENT PLUG OFFSET BALL CHECK VALVE TOP & BOTTOM VISIBLE LENGTH IN mm ◍ SECTION X-X RLGTSS-1000 (SIDE-SIDE CONN.) RLGTTS-1000 (TOP-BOTTOM CONN.)

: SIDE MOUNTED EXTERNAL CAGE TYPE MAGNETIC LEVEL INDICATOR ROLLER TYPE CUM TRANSMITTER WITH / WITHOUT SWITCHES REFER OUR G. A. DRG. NO. RSMLIRTA-2/3-3000-WPR / FLPR

PRINCIPLE OF OPERATION:

SS float which is equipped with alnico magnet moves up or down alongwith level rise or decrease. This float magnet movement will be magnetically coupled to the coloured roller outside the chamber with scale for indication. By the side of the indicator the adjustable switches are provided. By the side of the above level indicator the SS transmitter sensor will be clamped. The magnet embedded float of the level indicator buoys up alongwith the level rise and it cuts in or cuts out a series of the resistors kept scaled outside the level indicator chamber. The output which is a current signal of 0-20 mA is transmitted to a remote area say pump room or control room.

MATERIAL SPECIFICATIONS:

Type : External cage type Float type Level Transmitter

Mounting : Vertical Side-Side
 C/ C distance : To Mention

Visible length
 Service
 To Mention
 Op.pressurekg/cm2g/temp.* C /Sp.Gr.
 To mention

Hydro test pressure Kg/Cm2g : 1.5 times of max. Op. pressure

8. Process conn. Flange size and rating
9. Process conn. Flange malt.
1 " ANSI 150 # RF flanged or to mention
SS 304 / SS 316 / PP / PVDF / PTFE
10. All wetted parts malt.
SS 304 / SS 316 / PP / PVDF / PTFE

11. Vent / Drain connection : ½" BSP (F) with plug
12. Indication : Local indicator roller type

13. Gaskets : PTFE 14. Bolts & Nuts : SS304

DETAILS OF LOCAL INDICATOR:

Type : Side mounted magnetic level indicator with roller

type bicolour level indication with remote level

transmission.

Coloures of the rollers
 Red & White. White colour indicates empty space &

red colour indicates filled space. This will have yellow coloured rollers @ every 100 mm and blue

coloured rollers @ every 500 mm.

Indicator accuracy : ± 10 mm of the total range
 Indicating device : Magnetic bicoloured rollers

Frame / Housing Malt.
 Aluminium supported transparent acrylic window for

clear visibility from a distance.

Scale : Liner marking ie. SS / Acrylic white background with

black marking in Cms. Lines are engraved @ each

10 mm

DETAILS OF EXTERNALLY ADJUSTABLE W/P (OR) FLP SWITCHES:

No. of Alarms
 1/2/3/4 Nos. (for HiHi, Hi, Lo & LoLo). These alarms

are adjustable throughout the range externally.

Type of switch : Sealed magnetic switch

Contact Form & Rating
 1 No. SPDT 230 VAC 5 A (SURGE) 60 W / VA for

each level sensing.

Switch differential : Fixed 20 mm approx.

Enclosure / cable entry : Cast aluminium W / P or FLP / ¾ ET (F)

DETAILS OF TRANSMITTER ELECTRONIC UNIT:

Sensor type : Float operated

Input supply : 24 VDC or 230 / 110 VAC 50 Hz 1 Ø

14. Output supply : 4 -20 mA 2/3 wire type 15. Accuracy : ± 0.5% of the total range

Indicator : Will be 2 ½ " Dial analogue meter

Enclosure / cable entry
 Will be cast Aluminium WP (or) FLP / ¾" ET (F)