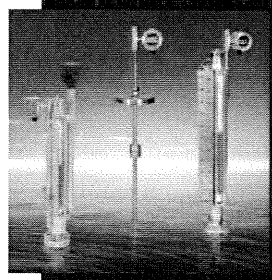
MAGNETIC LEVEL GAUGE/INSTRUMENT CHAMBER

Enquiry Form

TC KLINGER

Magnetic Level Gauges



PLEASE COMPLETE AND FAX TO: **+44 (0)1322 285660**

PHOTOCOPY THIS PAGE FOR RE-USE

Customer: .....

Customer Ref: .....

Contact: .....

Tel. No: ..... Fax No: .....

Email: .....

DUTY

Quantity of Gauges ..... Operating Pressure ..... (Bar g or PSI)

Fluid Description ..... Operating Temp. ..... (°C or F)

Fluid SG(s) ..... Design Pressure ..... (Bar g or PSI)

Interface or Range? ..... Design Temp. ..... (°C or F)

Dielectric Constant ..... Vacuum Service? .....

(D.C. needed for radar transmitter only).

GAUGE SPECIFICATION

Vessel Connections-Flange Size ..... Flange Standard & Rating .....

Vessel Connections-Screwed Size ..... Screw Standard NPT ❑ BSP ❑

Vent Connection: Flange/Plugged ..... Size ..... Standard & Rating .....

(Note - for instrument chamber only, any vent connection is made in the side of the chamber wall as the instrument enters via top flange).

Drain Connection: Flange/Plugged..... Size ..... Standard & Rating .....

Centre to Centre Dimension 'M' (mm) ..... Face to Face Dimension 'L' (mm) .....

Visible Length (mm) ..... 'U' Dimension Restriction? .....mm

Material of Body ..... Material of Display: Aluminium ❑ St/Stl ❑

Connection of Radar to Gauge body: Flanged/Screwed -
(size of flange and rating or screwed fitting required) .....

Design Construction: ASME B31.3 ❑ ASD2000 ❑

(Generally ASME is more expensive - e.g. for refinery use. AD2000 is lighter construction for general industry use).

Welding Design - Butt Welded: ❑ *(More Expensive)* Slip-On Welded: ❑ *(Welds cannot be X-Rayed)*

Configuration - See diagrams 1-10 on reverse or specify .....

ELECTRICAL EQUIPMENT

Switches - Quantity per Gauge ..... Cable Entry: 3M Flying Lead or M20

Transmitter Resolution: 20mm ❑ 10mm ❑ 5mm ❑ 1mm ❑

Transmitter Type: Reed Chain ❑ Magnetostrictive ❑ Guided Wave Radar ❑

Other ❑ (Please Specify) .....

Safe Area: ❑ Hazardous Area: ❑ E Exia or E Exd

Area Classification ..... Approval ATEX/FM/CSA *(delete as applicable)*

Ambient Conditions (Max. & Min. Temperature) .....

ACCESSORIES

Vent (Specify) ..... Drain (Specify) .....

Paint Finish - Please Specify .....

Steam Heating ..... Insulation Jacket .....

Non Frost Block (for working temperature -15°C and under) .....

Graduated Scale St/Stl .....

Please advise graduation required (Standard is inches & cms).

QUANTITY REQUIREMENTS

Non Destructive Tests: Hydrostatic: ❑ Dye Penetrant (welds)%: ❑ X-Ray (welds)%: ❑

Positive Material I.D. ❑ Base Materials Only: ❑ PMI of Welds: ❑

NACE Compliance: ❑

DOCUMENTATION REQUIREMENTS

Manufacturing Procedures: *(Delete as necessary)* Welding Procedures, Hydrotest Procedure, Document Schedule, G.A Drawings, Production Schedule, Material Certs, IOM, Spares Quote, QA Plan, NDT Procedures (please specify) .....

Manufacturing Record Book: ❑ Number of Copies ..... Format .....

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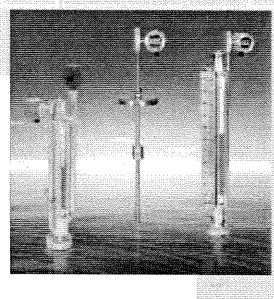
TC FLUID CONTROL LTD

Standard Configurations



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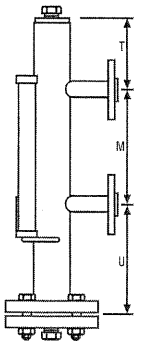
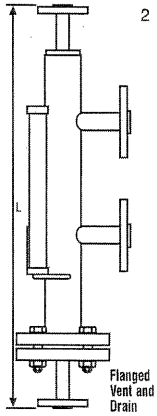


Standard Arrangement Side/Back Connected

Standard Construction Side or Back connections to process. Vent and Drain Plugged.

2



Flanged Vent and Drain

Vent and Drain flanged. Flanges can be Slip-On or Weld Neck type.

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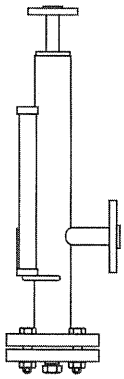

Side & Top Connected

Special Variant with top end connected and bottom side connected to process – the flanges can be configured to exact customer requirements. Flanges can be Slip-On or Weld Neck type.

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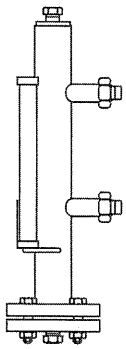

Screwed Side/Back via Union Connections

Process Connections are screwed via unions for easy gauge removal, or can be supplied with plain threaded ends in BSP or NPT.

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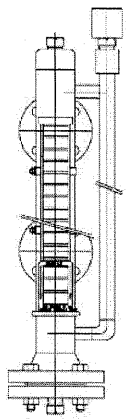

Combined MLG and Guided Wave Radar.

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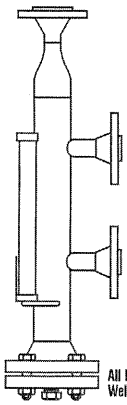

All Butt Welded

Standard Construction Side or Back Vent and Drain Plugged Flanges are Weld Neck type for all Butt Welded construction. Note – The side branch to chamber weld is not a full penetration butt weld. Please advise if full penetration weld is required.

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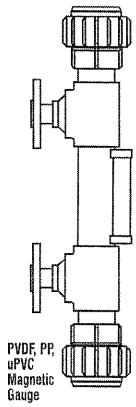
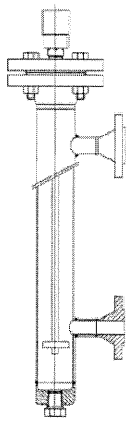


PVDF, PP, uPVC Magnetic Gauge

Plastic Construction Side or Back connections to process. These gauges are used for highly corrosive duties i.e. acids/alkalines or if the vessel is plastic as the gauge will 'move' with the vessel due to expansion and contraction in changing temperatures.

10



Instrument mounted in Bypass Level Chamber.

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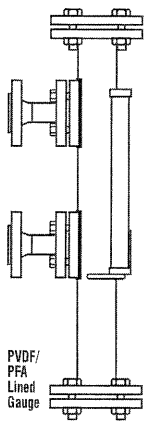

PVDF/ PFA Lined Gauge

Plastic Lined Construction Side or Back connections to process. These are used for highly corrosive duties i.e. acids/alkalines where the pressure is too great for all plastics gauges, or if the vessel is made from metals (or lined tanks).

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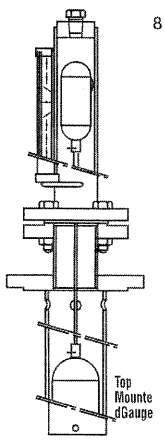

Top Mounte dGauge

Top mounted gauge to process. For underground tanks that need visual indication. The gauge can also transmit signals or point alarms.