Configuration guide COI/KM26-EN Rev. I 08.2012

KM26
Magnetic Liquid Level Gauge

Magnetic level gauge for liquid applications
K-TEK Products

Features
- Highly visible level indication with no process fluid in contact with the glass
- All construction in-house by code certified welders
- Float designed and weighted for maximum accuracy
- Transmitter and switch options which can be installed, adjusted and maintained with no process interruption
- Safe for corrosive, flammable, toxic, high-temperature and high-pressure applications
- Rugged design - low or no maintenance

Available materials
- Stainless steel—304/304L, 316/316L, 321, 347, 904L
- Alloy 20
- Hastelloy—B3, C-276
- Incoloy 600, 825
- Aluminum
- Titanium
- Teflon coated stainless steel
- Fiberglass—epoxy or vinyl ester resin
- PVC, CPVC, Kynar
- Polypropylene
- Zirconium
- For other materials consult factory

Process capabilities
- Full vacuum to 5000 PSI / 351 kg/cm2 (316 kg/cm2)
- -320 to 1000°F/ -195 to 538°C
- 0.25 specific gravity
- All liquid viscosity
- Interfaces as Low as .03ΔSG

Testing and documentation
- Radiographic examination
- Liquid dye penetrant examination
- Hydrostatic examination
- PMI (Positive Material Identification) material certification
- ASME “U,” “UM,” or “S” stamp
- Third party inspection
- Material Certificates
- ANSI/ASME B31.1, B31.3
- PED certification*
- NACE MR0103, NACE MR0175
- Canadian registration number (CRN)
- Marine and industrial type approval for high-pressure boilers (New Zealand)

KM26 Magnetic Level Gauge Configuration Guide

To request a quotation for a *KM26* Magnetic Level Gauge:

1. Complete the Quotation Request Form on pages 15 and 17
   or
2. Use this Configuration Guide to Select a Model Number and provide additional information such as process pressure, temperature, and specific gravity.

Submit Request to ABB via e-mail to sales@ktekcorp.com or via fax to 225-673-2525.

An online request is available on ABB's website (www.abb.com/level).

MODEL NUMBER CONFIGURATION
KM26a/b/c/d/e/f/g/h/i

/a Orientation of the KM26 type in reference to mounting to the vessel

S Side Mounting
T Top Mounting
B Bottom Mounting

/b Chamber Material

SS1	321 SS	TN4	Teflon "S" Coated 304/304L SS[1, 5]
SS4	304 / 304L SS	TN6	Teflon "S" Coated 316/316L SS[1, 5]
SS6	316 / 316L SS	HL4	Halar Coated 304 SS[2, 4, 6]
SS7	317 / 317L SS	HL6	Halar Coated 316 SS[2, 4, 6]
SS9	904L SS	TF4	Tefzel Coated 304 SS[2, 4, 6]
HSC	Hastelloy C-276	TF6	Tefzel Coated 316 SS[2, 4, 6]
HSB	Hastelloy B-3	A20	Alloy 20
TI	Titanium (Grade 2)	IN600	Incoloy 600
PP	Polypropylene[8] (35-200°F/-1.7-93.3°C)	IN625	Incoloy 625
PVD	KYNAR (PVDF)[3] (-40-280°F/-40-137.8°C)	IN800	Incoloy 800
PVC	PVC[3] (140°F/60°C Max)	IN825	Incoloy 825
CPV	CPVC[3] (210°F/98.9°C Max)	ALU	Aluminum
EPF	Epoxy Resin Fiberglass[3] (225°F/107.2°C Max)	ZI2	Zirconium 702
VEF	Vinyl Ester Fiberglass[3] (175°F/79.4°C Max)	M0	Monel

Notes:

[1] To minimize friction for optimal float travel - max. temp = 425°F (218°C).
[2] For Increased Corrosion Resistance - max. temp = 300°F (149°C).
[3] Maximum measuring length is 18 feet (5.48 meters).
[4] Tefzel or Halar coated units must not have any FNPT, Vent or Drain options.
[5] Maximum measuring length 22 feet (6.7 meters).
[6] Maximum measuring length 16 feet (4.88 meters).
[7] Schedule 40 minimum chamber required
[8] Maximum measuring length = 15 ft (4.57 meters)

/c Chamber Configuration[1,2] (Select code from Table 1 on pages 5 & 6) (Example /W2FEFEB2)

Note: [1] If more than 2 process connections are required add the code for each in the chamber configuration code (example /W2FEFEFEB2 or /W2(3)FEB2 for 3 process connections).
[2] CST: Carbon Steel and DUP: Duplex Stainless Steel are available as KM26T stilling wells and KM26 flange type materials.

/d Connection Size / Rating[1,2] - (Select code from Table 2 on page 10) (example /SR21)

Note: [1] Flange sizes are available in ASME, DIN, HG, Gost and customer specified sizes. Consult factory for special requirements.
[2] CST: Carbon Steel and DUP: Duplex Stainless Steel are available as KM26T stilling wells and KM26 flange type materials.

/e Indicator Type

S1P	Fluorescent Shuttle with Permanently Sealed Lexan Tube (250ºF/121ºC max)[1,4,5]
S1G	Fluorescent Shuttle with Hermetically Sealed Glass Tube (350ºF/176ºC max)[1,4,5]
S2G	High Temperature Shuttle with Hermetically Sealed Glass Tube (1000ºF/538ºC max)[1,4,5]
M1P	Yellow/Black MBG with Permanently Sealed Lexan Tube (250ºF/121ºC max)[2,4,5]
M2P	Red/White MBG with Permanently Sealed Lexan Tube (250ºF/121ºC max)[2,4,5]
M3P	Red/Green MBG with Permanently Sealed Lexan Tube (250ºF/121ºC max)[2,4,5]
M4P	Red/Black MBG with Permanently Sealed Lexan Tube (250ºF/121ºC max)[2,4,5]
M1G	Yellow/Black MBG with Hermetically Sealed Glass Tube (650ºF/343ºC max)[3,4,5]
M2G	Red/White MBG with Hermetically Sealed Glass Tube (650ºF/343ºC max)[3,4,5]
M3G	Red/Green MBG with Hermetically Sealed Glass Tube (650ºF/343ºC max)[3,4,5]
M4G	Red/Black MBG with Hermetically Sealed Glass Tube (650ºF/343ºC max)[3,4,5]
CM1A	Yellow/Black MBG with Acrylic Frost Extension for -100ºF/-73ºC min[4,5]
CM2A	Red/White MBG with Acrylic Frost Extension for -100ºF/-73ºC min[4,5]
CM3A	Red/Green MBG with Acrylic Frost Extension for -100ºF/-73ºC min[4,5]
CM4A	Red/Black MBG with Acrylic Frost Extension for -100ºF/-73ºC min[4,5]
CM1B	Yellow/Black MBG with Acrylic Frost Extension for -200ºF/-129ºC min[4,5]
CM2B	Red/White MBG with Acrylic Frost Extension for -200ºF/-129ºC min[4,5]
CM3B	Red/Green MBG with Acrylic Frost Extension for –200ºF/-129ºC min[4,5]
CM4B	Red/Black MBG with Acrylic Frost Extension for –200ºF/-129ºC min[4,5]
CM1C	Yellow/Black MBG with Acrylic Frost Extension for -320ºF/-195ºC min[4,5]
CM2C	Red/White MBG with Acrylic Frost Extension for -320ºF/-195ºC[4,5]
CM3C	Red/Green MBG with Acrylic Frost Extension for -320ºF/-195ºC[4,5]
CM4C	Red/Black MBG with Acrylic Frost Extension for -320ºF/-195ºC[4,5]
X	None

Notes:

[1] Not available when a transmitter is used for total & interface level combined.
[2] When chamber insulation is not being used, add "H" as a suffix to the indicator type to include insulation pad behind the indicator and raise the maximum temperature to 350°F/177°C.
[3] When chamber insulation is not being used, add "HS" as a suffix to the indicator type to include insulation pad and TEMPKOAT™ behind the indicator to increase the MBG temperature rating to 1000°F/538°C. (The "HS" option is not sued when chamber insulation with TEMPKOAT is specified.)
[4] Add "D" as a suffix to the indicator type when dual level indication (total and interface) is required.
[5] Add "F" as a suffix to the indicator type when float failure indication is required.

MODEL NUMBER CONFIGURATION

/f Indicator Scale/Ruler

N	No indicator housing (must select "**X**" for Indicator Type on previous page)
A	SS housing; no scale
B	SS housing; SS scale marked in ft / inches with 1/2" divisions (from 0 to 48 ft. standard[3])
C	SS housing; SS scale marked in meters/centimeters with 1 cm divisions [1]
D	SS housing; SS scale marked in running inches with 1/2" divisions [2]
E	SS housing; SS scale marked in running inches with 1/8" divisions [2]
F	SS housing; custom SS scale (%, gallons, liters, etc.)
G	SS housing; custom plastic scale (%, gallons, liters, etc.) 200ºF (93ºC) max with no insulation
H	SS housing; dual scale; specify types

Notes:
[1] Standard rulers begin with 0 cm but can be specified from –100 cm to 10 meters.
[2] Standard rulers begin with 0 inches but can be specified from: 1/2" divisions: -48" to 216" OR 1/8" divisions: -48" to 144"
[3] Custom rulers available (Consult Factory - Choose /F or /G).

/g Other Options

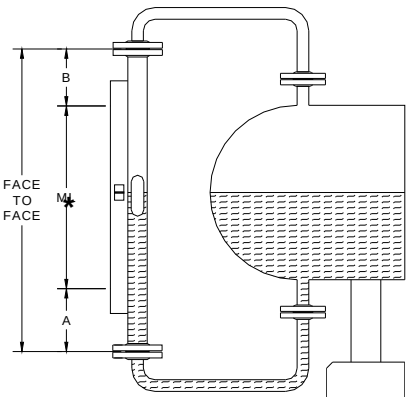
IH1	High Temperature Insulation; Float Chamber Only; 250°F (121°C) max[1,3]
IH1D	High Temperature Insulation; Float Chamber & Vent / Drain Flanges; 250°F (121°C) max[1,3]
IH2	High Temperature Insulation; Float Chamber Only; 500°F (260°C) max[1,3]
IH2D	High Temperature Insulation; Float Chamber & Vent / Drain Flanges; 500°F (260°C) max[1,3]
IH2T	High Temperature Insulation; Float Chamber Only; 800°F (426°C) max, to be used with AT200 transmitter/level switch only
IH2DT	High Temperature Insulation; Float Chamber & Vent / Drain Flanges; 800°F (426°C) max, to be used with AT200 transmitter/level switch only
IH3	High Temperature Insulation; Float Chamber Only; 1000°F (538°C) max[1,3]
IH3D	High Temperature Insulation; Float Chamber & Vent / Drain Flanges; 1000°F (538°C) max[1,3]
IH3T	High Temperature Insulation; Float Chamber Only; 1000°F (538°C) max with Magnetic Bargraph where maximum temperature exceeds 650°F/343°C[1,3]
IH3DT	High Temperature Insulation; Float Chamber & Vent / Drain Flanges; 1000°F (538°C) max with Magnetic Bargraph where maximum temperature exceeds 650°F/343°C[1,3]
IL1	Cryogenic Insulation; 2" thick; single layer; -100°F (-73°C) minimum[3]
IL2	Cryogenic Insulation; 3" thick; double layer; -200°F (-129°C) minimum[3]
IL3	Cryogenic Insulation; 4" thick; double layer; -320°F (-196°C) minimum[3]
TT1	Steam Trace Tubing
SJ	Steam / Water Jacket
ET1xx	Electric Tracing; Class I, Div. 2, Gp BCD; 221°F max (105°C); fixed setpoint control[2]
ET2x	Electric Tracing; Class I, Div. 2, Gp BCD; 400°F max (204°C); adjustable setpoint control[2]
ET3x	Electric Tracing; Class I, Div. 1, Gp CD; 800°F max (427°C); adjustable setpoint control[2]
ETx	Electric Tracing (custom) specified by others
IV	Isolation Valve (Specify valve manufacturer and model)
DV	Drain Valve (Specify valve manufacturer and model)
VV	Vent Valve (Specify valve manufacturer and model)
RD	Switch Mount Rod (High Temperature option for KM26 Switches) (Consult data sheet for temperature specifics.)
G	Gussets on process connections (SCH 40 Minimum Chamber Recommended)
GR	Oversized chamber with guide rods for flashing
S	Special (Consult factory)

Notes:
[1] ABB recommends chamber insulation for personnel safety.
[2] Specify power supply 1) 110, 2) 220, 3) 277 or 4) 440 VAC) (ex. ET21= ET2 with 110VAC power supply). For ET1xx series only, specify setpoint A) 35°, B) 45°, C) 60°, D) 90° or E) 185°F (1.7°, 7.2°, 15.6°, 32.2°, or 85°C) (ex. ET11A = ET1 with 110VAC power supply and a setpoint of 35°F)
[3] No insulation options are allowed with shuttle indicators.

/h Center to Center / Face to Face (specify in inches or mm)

/i Measuring Length (specify in inches or mm, only if different than the center to center dimensions)

IMPORTANT NOTE:
The information above is provided for the customer to indicate specific requirements. Only those requirements need to be specified. Other sizing & ratings not specified will be selected by the factory based on standard design & manufacturing practices using temperature, pressure & specific gravity data.



Face to Face = A + B + ML
*** ML depends on the process conditions.**

CHAMBER CONFIGURATION

Table 1 - Code Options / Definitions

B0	Blind Flange, with Float Stop Spring and Matching Slip-On Flange
B1	B0 with FNPT (see Note 2); 1/2” FNPT standard
B2	B0 with Plug (see Note 5); 1/2” Standard
B3	B0 with Socket Weld Coupling
B4	B0 with FNPT Coupling
B5	B0 with Nipple, for Socket Welding (Flat)
B6	B0 with Nipple, for Butt Welding (37.5° bevel)
B7	B0 with Nipple, MNPT
B8	B0 with Top Mount Indicator
B9	B0 with Reducing Spool Piece and Flange (see Note 7)
B10	B0 with Socket Weld Bore (see Note 3); 1/2” SW standard
C0	FNPT Coupling
C0L	Thread-o-let (Min. SCH 40 Chamber)
C0E	FNPT Coupling Connected via Extruded Outlet (See Note 4)
C1	Socket Weld Coupling
C1L	Sock-o-let (Min. SCH 40 Chamber)
C2	C0 with plug
D0	Blind Flange with Float Stop Spring and a Mating Weld Neck Flange
D1	D0 with FNPT (see Note 2); 1/2” FNPT standard
D2	D0 with Plug (see Note 5); 1/2” standard
D3	D0 with Socket Weld Coupling
D4	D0 with FNPT Coupling
D5	D0 with Nipple, for Socket Welding (flat)
D6	D0 with Nipple, for Butt Welding (37.5° Bevel)
D7	D0 with Nipple, MNPT
D8	D0 with Top Mount Indicator
D9	D0 with Reducing Spool and Flange (See Note 7)
D10	D0 with Socket Weld Bore (see Note 3); 1/2” SW Standard
FE	Weld Neck Flange connected to chamber via Extruded Outlet (see Note 4)
F0	Weld Neck Flange (see Note 1)
F0E	FE with Pipe Between Chamber & Weld Neck Flange (See Note 4)
F1	Weld Neck Flange with Weld-o-let (Min. SCH 40 Chamber)
F2	Weld Neck Flange with Weld-o-let and Concentric Reducer (Min. SCH 40 Chamber)
F3E	Weld Neck Flange with Concentric Reducer connected to chamber via Extruded Outlet (see Note 4)
F3	Weld Neck Flange with Concentric Reducer
F4	Weld Neck Flange with Butt Weld Tee
GE	Slip-On Flange connected to chamber via Extruded Outlet (see Note 4)
G	Slip-On Flange (See Note 1)
G1	Slip-On Flange with Weld-o-let and Pipe Nipple
G3E	Slip-On Flange with Concentric Reducer connected to chamber via Extruded Outlet (See Note 4)
G4	Slip-On Flange with Butt Weld Tee and Pipe Nipple
H0	Indicator with Blind Flange
H1	Indicator with Blind Flange and removable Stilling Well
H2	Indicator with MNPT Plug
H3	Indicator with MNPT Plug with integral Stilling Well

CHAMBER CONFIGURATION

Table 1 - Code Options / Definitions

L	Stub End with Loose (Lap Joint) Flange
LE	Stub End with Loose (Lap Joint) Flange connected to chamber via Extruded Outlet (see Note 4)
L4	Stub End with Lap Joint Flange and Butt Weld Tee
N0E	Branch Nipple for Socket Weld (Flat) connected to chamber via Extruded Outlet (see Note 4)
N0	Branch Nipple for Socket Weld (Flat)
N2E	Branch Nipple for Butt Welding (37.5° Bevel) connected to chamber via Extruded Outlet (see Note 4)
N2	Branch Nipple for Butt Welding (37.5° Bevel)
N3E	MNPT Branch Nipple connected to chamber via Extruded Outlet (see Note 4)
N3	MNPT Branch Nipple
N6	Weld-o-let for Butt Welding (Min. SCH 40 Chamber)
S0	Screwed Pipe Cap with Float Stop Spring (Min. SCH 40 Chamber)
S1	S0 with FNPT (see Note 2); 1/2" FNPT Standard (Min. SCH 40 Chamber)
S2	S0 with Plug (Min. SCH 40 Chamber)
SW	Socket Weld flange (see note 1)
SWE	Socket Weld flange connected to chamber via Extruded outlet (see note 4)
T0	Butt Welded Dome Pipe Cap
T2	T0 with FNPT Coupling and Plug
T3	T0 with Socket Weld Coupling
T4	T0 with FNPT Coupling
T5	T0 with Nipple, for Socket Welding (Flat)
T6	T0 with Nipple, for Butt Welding (37.5° Bevel)
T7	T0 with Nipple, MNPT
T9	T0 with Nipple and Flange (See Note 7)
W0	Welded Flat Pipe Cap with Float Stop Spring
W1	W0 with FNPT (See Note 2); 1/2" FNPT standard
W2	W0 with Plug (See Note 5); 1/2" Standard
W3	W0 with Socket Weld Coupling
W4	W0 with FNPT Coupling
W5	W0 with Nipple, for Socket Welding (Flat)
W6	W0 with Nipple, for Butt Welding (37.5° Bevel)
W7	W0 with Nipple, MNPT
W9	W0 with Nipple and Flange (See Note 7)
W10	W0 with Socket Weld Bore (see Note 3); 1/2" SW Standard
X	No Connection

Note 1: When a Weld Neck Flange (F0), a Fixed Flange (G) or (SW) option is a process connection on either end of the chamber as shown in the configuration tables these will be provided with a float stop bar or disk and spring to keep the float confined in the chamber.

Note 2: 1/2" FNPT Standard; Optional FN7 (3/4") or FN1 (1"). Specify after option "D".

Note 3: 1/2" SW Standard; Optional SW7 (3/4"). Specify after option "D".

Note 4: Extruded outlet can be utilized as follows

	FLANGES & NIPPLES	COUPLING SIZES
Stainless Steel:	Sch. 10 chambers with 1", 1-1/2" & 2" connections	3/4", 1", 1 1/4"
	Sch. 40 chambers with 1-1/2" & 2" connections[6]	1 1/4"
Alloy 20:	Sch. 10 chambers with 1-1/2" & 2" connections	1 1/4"
Hastelloy:	Sch. 10 chambers with 1-1/2" & 2" connections	1 1/4"

Note 5: 1/2" plug Standard; see Table 2 (Page 10) for additional sizes.

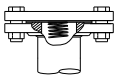
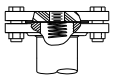
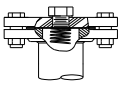
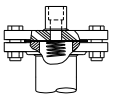
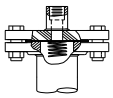
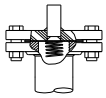
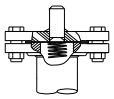
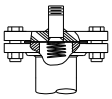
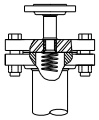
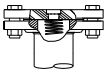
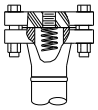
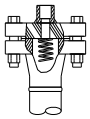
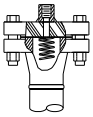
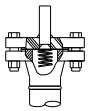
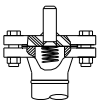
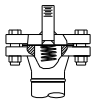
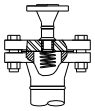
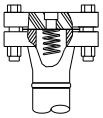
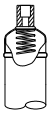
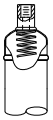
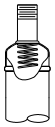
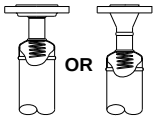
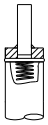
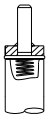
Note 6: Cannot extrude SCH 40 seamless pipe.

Note 7: Select B9, D9, T9 or W9 when flange connections are smaller than the chamber size at either the top and / or bottom of KM26.

CHAMBER CONFIGURATONS

TOP

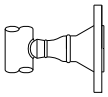
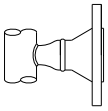
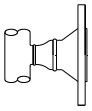
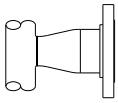
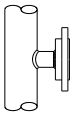
Table 1 - Code Options / Graphics

B0 	**B1** 	**B2** 	**B3** 	**B4** 	**B5** 	**B6** 
B7 	**B9** 	**B10** 	**D0** 	**D1** 	**D2** 	**D3** 
D4 	**D5** 	**D6** 	**D7** 	**D9** 	**D10** 	**F0** 
G 	**S0** 	**S1** 	**S2** 	**T0** 	**T2** 	**T3** 
T4 	**T5** 	**T6** 	**T7** 	**T9**  OR	**W0** 	**W1** 
W2 	**W3** 	**W4** 	**W5** 	**W6** 	**W7**	**W9** OR
W10						

CHAMBER CONFIGURATONS

SIDE

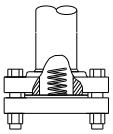
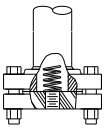
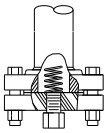
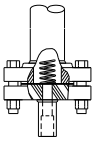
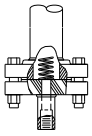
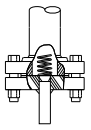
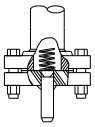
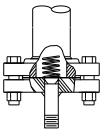
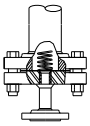
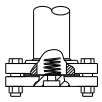
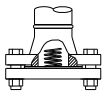
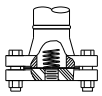
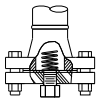
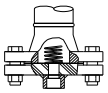
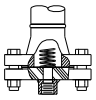
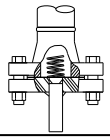
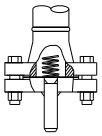
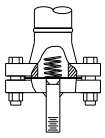
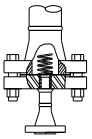
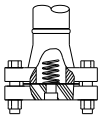
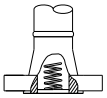
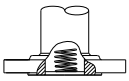
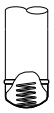
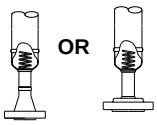
Table 1 - Code Options / Graphics

C0 	**C0L** 	**C0E** 	**C1** 	**C1L** 	**C2** 	**FE** 
F0 	**F0E** 	**F1** 	**F2** 	**F3** 	**F3E** 	**GE** 
G 	**G1** 	**G3E** 	**LE** 	**L** 	**L4** 	**N0E** 
NO 	**N2E** 	**N2** 	**N3E** 	**N3** 	**N6** 	**SW** 
SWE 	**X** 					

CHAMBER CONFIGURATONS

BOTTOM

Table 1 - Code Options / Graphics

B0 	**B1** 	**B2** 	**B3** 	**B4** 	**B5** 	**B6** 
B7 	**B9** 	**B10** 	**D0** 	**D1** 	**D2** 	**D3** 
D4 	**D5** 	**D6** 	**D7** 	**D9** 	**D10** 	**F0** 
G 	**S0** 	**S1** 	**S2** 	**T0** 	**T2** 	**T3** 
T4 	**T5** 	**T6** 	**T7** 	**T9**  OR	**W0** 	**W1** 
W2 	**W3** 	**W4** 	**W5** 	**W6** 	**W7**	**W9** OR
W10						

CONNECTION SIZES & RATINGS

Table 2

Flanged Connections

Size	Pressure Rating	Loose Flange	Slip on Flanges: Raised Face	Slip on Flanges: RTJ	Slip on Flanges: Tongue & Groove	Slip on Flanges: Male / Female	Socket Weld Flanges: Raised Face	Weld Neck Flanges: Raised Face	Weld Neck Flanges: RTJ	Weld Neck Flanges: Tongue & Groove	Weld Neck Flanges: Male / Female
1/2”	150#	L51	SR51	SJ51	ST51	SM51	SWR51	WR51	WJ51	WT51	WM51
1/2”	300#	L53	SR53	SJ53	ST53	SM53	SWR53	WR53	WJ53	WT53	WM53
1/2”	600#	L56	SR56	SJ56	ST56	SM56	SWR56	WR56	WJ56	WT56	WM56
1/2”	1500#	L515	SR515	SJ515	ST515	SM515	SWR515	WR515	WJ515	WT515	WM515
3/4”	150#	L71	SR71	SJ71	ST71	SM71	SWR71	WR71	WJ71	WT71	WM71
3/4”	300#	L73	SR73	SJ73	ST73	SM73	SWR73	WR73	WJ73	WT73	WM73
3/4”	600#	L76	SR76	SJ76	ST76	SM76	SWR76	WR76	WJ76	WT76	WM76
3/4”	1500#	L715	SR715	SJ715	ST715	SM715	SWR715	WR715	WJ715	WT715	WM715
1”	150#	L11	SR11	SJ11	ST11	SM11	SWR11	WR11	WJ11	WT11	WM11
1”	300#	L13	SR13	SJ13	ST13	SM13	SWR13	WR13	WJ13	WT13	WM13
1”	600#	L16	SR16	SJ16	ST16	SM16	SWR16	WR16	WJ16	WT16	WM16
1”	1500#	L115	SR115	SJ115	ST115	SM115	SWR115	WR115	WJ115	WT115	WM115
1-1/2”	150#	L151	SR151	SJ151	ST151	SM151	SWR151	WR151	WJ151	WT151	WM151
1-1/2”	300#	L153	SR153	SJ153	ST153	SM153	SWR153	WR153	WJ153	WT153	WM153
1-1/2”	600#	L156	SR156	SJ156	ST156	SM156	SWR156	WR156	WJ156	WT156	WM156
1-1/2”	1500#	L1515	SR1515	SJ1515	ST1515	SM1515	SWR1515	WR1515	WJ1515	WT1515	WM1515
2”	150#	L21	SR21	SJ21	ST21	SM21	SWR21	WR21	WJ21	WT21	WM21
2”	300#	L23	SR23	SJ23	ST23	SM23	SWR23	WR23	WJ23	WT23	WM23
2”	600#	L26	SR26	SJ26	ST26	SM26	SWR26	WR26	WJ26	WT26	WM26
2”	1500#	L215	SR215	SJ215	ST215	SM215	SWR215	WR215	WJ215	WT215	WM215
2-1/2”	150#	L251	SR251	SJ251	ST251	SM251	SWR251	WR251	WJ251	WT251	WM251
2-1/2”	300#	L253	SR253	SJ253	ST253	SM253	SWR253	WR253	WJ253	WT253	WM253
2-1/2”	600#	L256	SR256	SJ256	ST256	SM256	SWR256	WR256	WJ256	WT256	WM256
2-1/2”	1500#	L2515	SR2515	SJ2515	ST2515	SM2515	SWR2515	WR2515	WJ2515	WT2515	WM2515
3”	150#	L31	SR31	SJ31	ST31	SM31	SWR31	WR31	WJ31	WT31	WM31
3”	300#	L33	SR33	SJ33	ST33	SM33	SWR33	WR33	WJ33	WT33	WM33
3”	600#	L36	SR36	SJ36	ST36	SM36	SWR36	WR36	WJ36	WT36	WM36
3”	900#	L39	SR39	SJ39	ST39	SM39	SWR39	WR39	WJ39	WT39	WM39
3”	1500#	L315	SR315	SJ315	ST315	SM315	SWR315	WR315	WJ315	WT315	WM315
4”	150#	L41	SR41	SJ41	ST41	SM41	SWR41	WR41	WJ41	WT41	WM41
4”	300#	L43	SR43	SJ43	ST43	SM43	SWR43	WR43	WJ43	WT43	WM43

NOTES:
1. **Extruded Outlets are full bore up to a maximum of 2” See Note 4, Table 1 on page 8.**
2. **1/2” to 2 1/2” flanges use 1500# if 900# is specified.**
3. **Flat face flanges can be supplied with the (SF) or (WF) designator. (i.e. For a ½” 150# flat face slip-on. . . SF51)**

Nipples: Sch. 40 Std.

1/2”	Sch. 40	N54
1/2”	Sch. 80	N58
1/2”	Sch. 160	N51
3/4”	Sch. 40	N74
3/4”	Sch. 80	N78
3/4”	Sch. 160	N71
1”	Sch. 40	N14
1”	Sch. 80	N18
1”	Sch. 160	N11

Plugs: 1/2” Std.

1/2”	P5
3/4”	P7
1”	P1
2”	P2
3”	P3
4”	P4
6”	P6

Threaded Couplings:

1/2”	3000#	C53
3/4”	3000#	C73
1”	3000#	C13

Socket Weld Couplings:

1/2”	3000#	SC53
3/4”	3000#	SC73
1”	3000#	SC13

Screw-On Caps:

2”	3000#	S23
2-1/2”	3000#	S253
3”	3000#	S33
4”	3000#	S43

Sock-o-lets

1/2”	3000#	S05
3/4”	3000#	S07
1”	3000#	S10
1-1/2”	3000#	S15
2”	3000#	S20

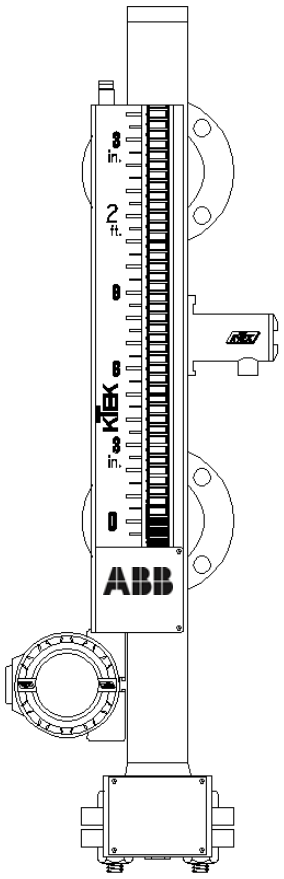
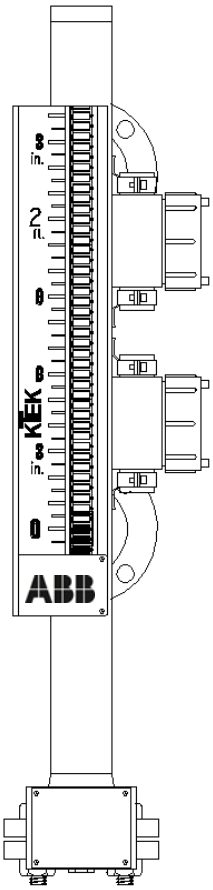
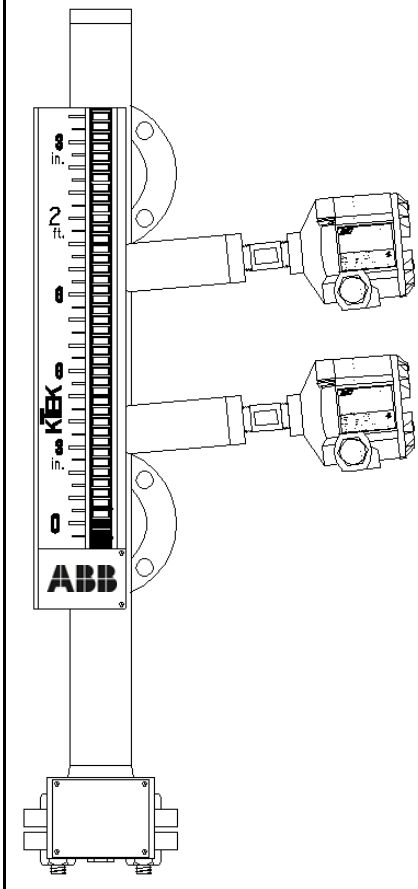
Thread-o-lets:

1/2”	3000#	T053
3/4”	3000#	T073
1”	3000#	T103
1-1/2”	3000#	T153
2”	3000#	T203
1/2”	6000#	T056
3/4”	6000#	T076
1”	6000#	T106
1-1/2”	6000#	T156
2”	6000#	T206

TRANSMITTER & SWITCH ACCESSORIES

Magnetostrictive Level Transmitters	
AT200	Refer to AT200-0202-1 Data Sheet for Ordering Information
AT600	Refer to AT600-0202-1 Data Sheet for Ordering Information
Magnetic Level Gauge Switches	
MS30	Refer to MS30-0202-1 Data Sheet for Ordering Information
MS40	Refer to MS40-0202-1 Data Sheet for Ordering Information
MS41	Refer to MS41-0202-1 Data Sheet for Ordering Information
PS35	Refer to PS35-0202-1 Data Sheet for Ordering Information
PS45	Refer to PS45-0202-1 Data Sheet for Ordering Information
Vibrating Level Switch	
RS80	Refer to RS80-0202-1 Data Sheet for Ordering Information
RS85	Refer to RS85-0202-1 Data Sheet for Ordering Information
Thermal Dispersion Switch	
TX	Refer to TX-0202-1 Data Sheet for Ordering Information
All Data Sheets are available on the ABB website at www.abb.com/level	

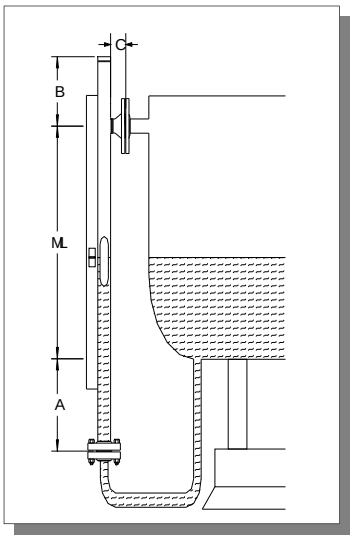
Sample Accessories

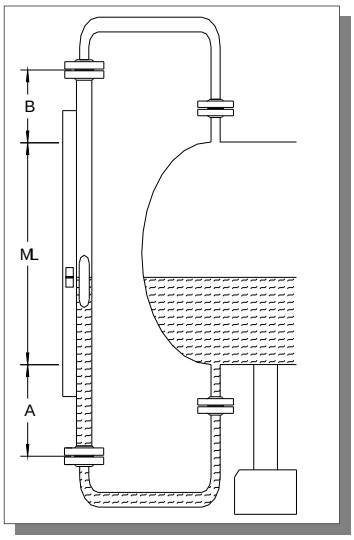
KM26 with AT200 & MS41	KM26 with (2) MS40EX's	KM26 with (1) TX & (1) RS80
		

EXAMPLE APPLICATIONS

Top Process from side and Bottom Process from bottom of KM26

Example: KM26S/SS4/W0FEXG/WR-21-SR21/S1P/B/58”/48”
Top: Flat Pipe Cap with Float Stop Spring
Side: Top – RFWN with Extruded Outlet
Bottom: No Process Connection
Bottom: RF Slip-On Flange with Float Stop Spring





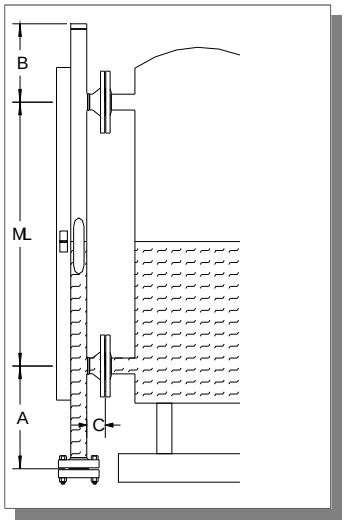
Top Process and Bottom Process from top and bottom of KM26

Example: KM26S/SS6/GXXG/SR21/S1P/B/64.5”/48”
Top: RF Slip-On Flange with Float Stop Spring
Side: Top – None
Bottom: None
Bottom: RF Slip-On Flange with Float Stop Spring

Top and Bottom Process Connection from side of KM26

Example: KM26S/SS6/W0FEFEB0/WR21/S1P/B/48”
Top: Flat Pipe Cap with Float Stop Spring
Side: 2 ea. RFWN with Extruded Outlets
Bottom: Blind Flange with Float Stop Spring and Matching Slip-On Flange

-total level
-crude oil
-0.80 s.g. at operating conditions
-100 psig operating, 200 psig maximum
-150°F operating, 175°F maximum
-center to center 48”
-measuring length 48”

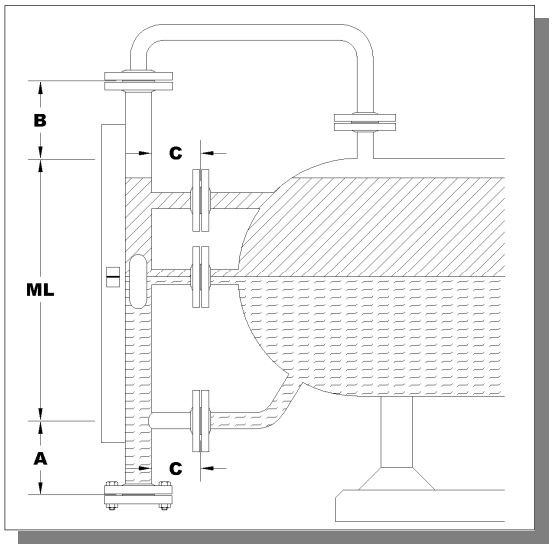


EXAMPLE APPLICATIONS

Top Process from top and Bottom Process from bottom side of KM26

Example: KM26S/SS6/G(3)GEB0/SR251-SR21/S1P/42.5”/36”
Top: RF Slip-On Flange with Float Stop Spring
Side: Top: RF Slip-On Flange
Middle: RF Slip-On Flange
Bottom: RF Slip-On Flange
Bottom: Slip-On Flange with Float Stop Spring

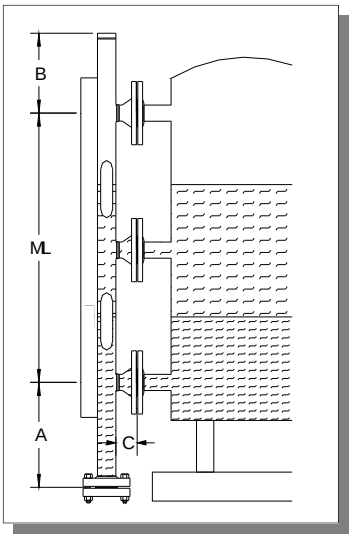
-interface level
-oil / water
-oil s.g. 0.80 @ operating conditions; water s.g. 1.00 @ operating conditions
-100 psig operating, 200 psig maximum
-150°F operating, 175°F maximum
-center to face 42.5”
-measuring length 36”



Dual Level Application

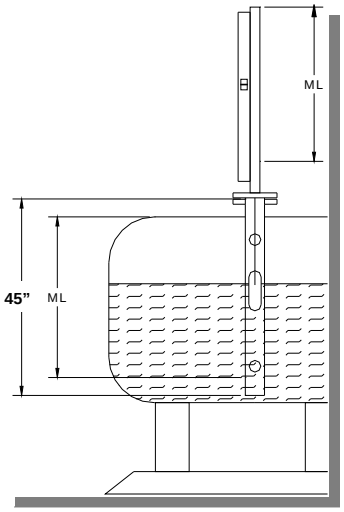
Example: KM26S/SS6/W0(3)FEB0/WR21/M1P/M2P/B/48”
Top: Flat Pipe Cap with Float Stop Spring
Side: Top: RFWN with Extruded Outlet
Middle: RFWN with Extruded Outlet
Bottom: RFWN with Extruded Outlet
Bottom: Blind Flange with Float Stop Spring and Matching
Slip-On Flange

-upper fluid level (yellow/black MBG-M1P) & interface level (red/white MBG-M2P)
-crude oil & water
-oil s.g. = 0.80 @ operating conditions; water s.g. 1.0 @ operating conditions
-100 psig operating, 200 psig maximum
-150°F operating temperature, 175°F maximum
-center to center 48”



EXAMPLE APPLICATIONS

KM26T TOP MOUNT UNITS



Tank with Top Opening and with Stilling Well.

Example: KM26T/SS6/H1/SR41/S1P/B/45"/34"
Top: Indicator with Blind Flange mounted on tank with existing stilling well

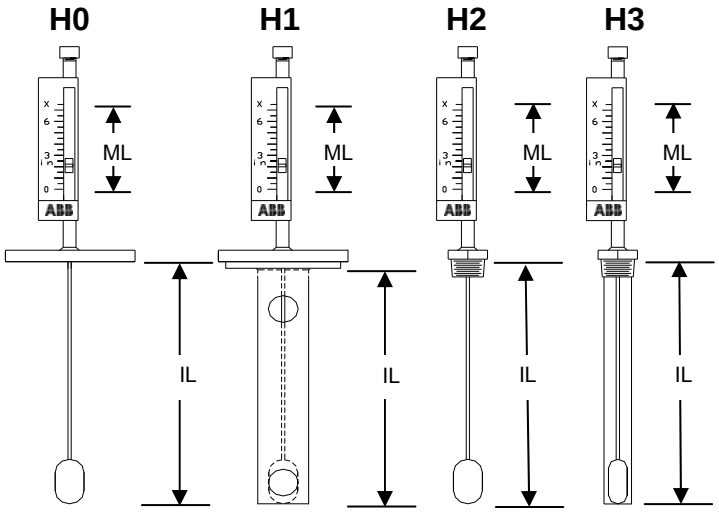
KM26T CONFIGURATION OPTIONS

H0 and **H2** options are designed to be mounted on tanks with pre-existing stilling wells or on tanks with insertion lengths less than or equal to 24" with non-turbulent conditions.

The minimum level that can be indicated with a top mount unit will depend on the specific gravity of the fluid and the process connection size.

NOTE:

- A stilling well is recommended for insertion lengths (IL) greater than 24" or if turbulent conditions exist.
- KM26T options using a stilling well are available with maximum insertion lengths (IL) to 10 feet (120 inches). Consult factory for longer lengths

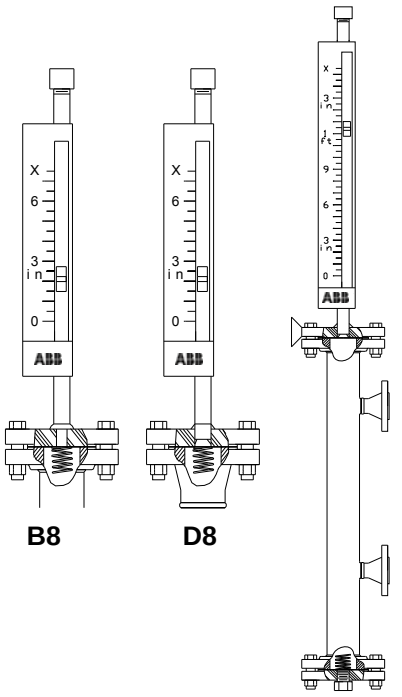


Top Mounted Indicators

If required by the application, the KM26 indicator with scale can be mounted on the top of the KM26 chamber. These options are called out as B8 and D8.

Example: KM26S/B8FEFEB0/WR21/S1P/B/48"
Top: Blind flange with float spring and matching slip-on flange top mount indicator
Side: 2 ea. RFWN with Extruded Outlets
Bottom: Blind Flange with Float Stop Spring and Matching Slip-On Flange

-total level
-crude oil
-0.80 s.g. at operating conditions
-100 psig operating, 200 psig maximum
-150°F operating, 175°F maximum
-center to center 48"
-measuring length 48"



QUOTATION REQUEST - KM26T-Top Mount

Factory contact: _____

Seller Information
Name: _____
Phone: _____
Email: _____
Company or LBU: _____
Main Phone: _____
Fax: _____

End User Information
Name: _____
Phone: _____
Email: _____
Company: _____
Country of final destination: _____
Note: This information will be required before accepting an order.

Tag ID #

Process Conditions:
Qty: _____ KM26 Application for (choose one): Total Level - Interface Level
Upper fluid operating specific gravity: _____ Minimum specific gravity: _____
Lower fluid second specific gravity: _____
Fluid(s): _____ If water, steam service? Yes - No

Operating Temp: _____ Max Temp: _____
Operating Pressure: _____ Max Pressure: _____
Minimum Ambient Temperature: _____
High vibration environment (compressor etc.)? Yes - No

Chamber & Float Details:
Chamber material: _____
Float material: _____
Flange material: _____

Process Connection
Type: _____
Size: _____
Rating: _____

Stilling well material (for H1 & H3 options; see image on page 2): _____
Insertion Length (IL): _____

Indicator Details:
Select: Shuttle or
Bar graph up to 1000°F/538°C (select one): Yellow/Black - Red/White
Scale (select one): Feet/In - Running In. (1/2" Div.) - Running In. (1/8") - Meter/cm - Custom _____
Special requirements: _____

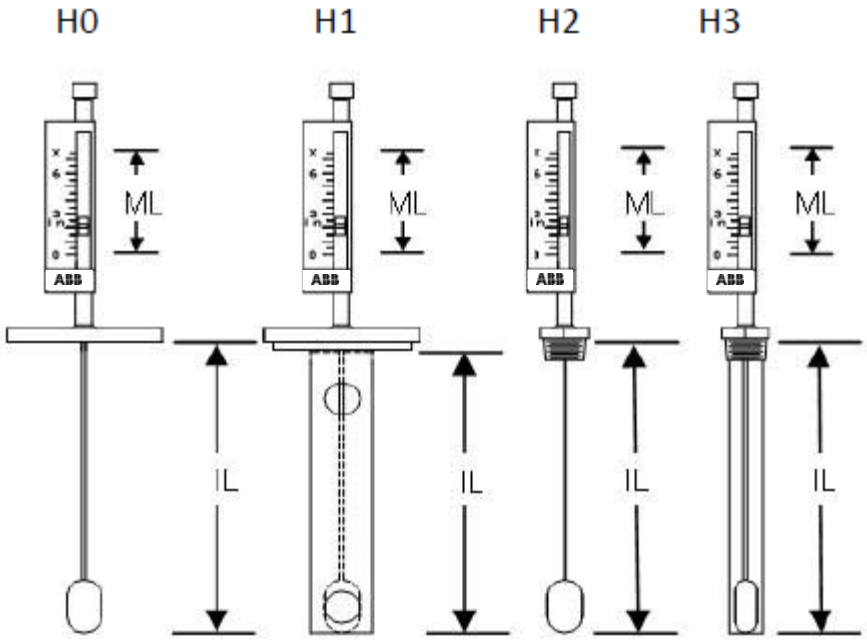
Accessories required (circle all that apply)
_____ Switches (specify type: _____)
_____ Transmitter—AT600 or AT200 (select: FFB, Hart, LCD, Honeywell DE)

Approval or documentation required
_____ CRN
_____ GOST—Russian
_____ ABS
_____ PED
_____ ASME
_____ Lloyds
_____ NACE
_____ Other

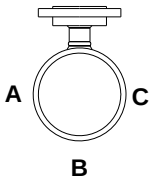
QUOTATION REQUEST - KM26T-Top Mount

Choose the appropriate configuration below or attach a sketch:

Note: Insertion length will always be greater than measuring length (ML). Please specify available insertion length (IL) and required measure length (ML). KM26T insertion lengths (IL) >24" require a stilling well.)



Select Orientation



Indicator ___A ___B ___C

Transmitter ___A ___B ___C

Switch(es) ___A ___B ___C

Note:

1. Overall length will always be greater than measuring length (ML). Please specify if a max overall length is required.
2. Cannot have two accessories at the same orientation.

QUOTATION REQUEST - KM26S-Side Mount

Factory contact: _____

Seller Information

Name: _____
Phone: _____
Email: _____
Company or LBU: _____
Main Phone: _____
Fax: _____

End User Information

Name: _____
Phone: _____
Email: _____
Company: _____
Country of final destination: _____
Note: This information will be required before accepting an order.

Tag ID #

Process Conditions:

Qty: _____ KM26 Application for (choose one): Total Level - Interface Level - Total & Interface
Upper fluid operating specific gravity: _____ Minimum specific gravity: _____
Lower fluid second specific gravity: _____
Fluid(s): _____ If water, steam service? Yes - No

Operating Temp: _____ Max Temp: _____
Operating Pressure: _____ Max Pressure: _____
Minimum Ambient Temperature: _____
High vibration environment (compressor etc.)? Yes - No

Chamber & Float Details:

Chamber material: _____
Float material: _____
Flange material: _____

Process Connection

Type: _____
Size: _____
Rating: _____

Center to center/Measuring length: _____
Vent/Drain Type & Size: _____

Indicator Details:

Select: Shuttle or
Bar graph (Choose color combination) Yellow/Black - Red/White
Scale (select one): Feet/In - Running In. (1/2” Div.) - Running In. (1/8”) - Meter/cm - Custom _____
Special requirements: _____

Accessories required (circle all that apply)

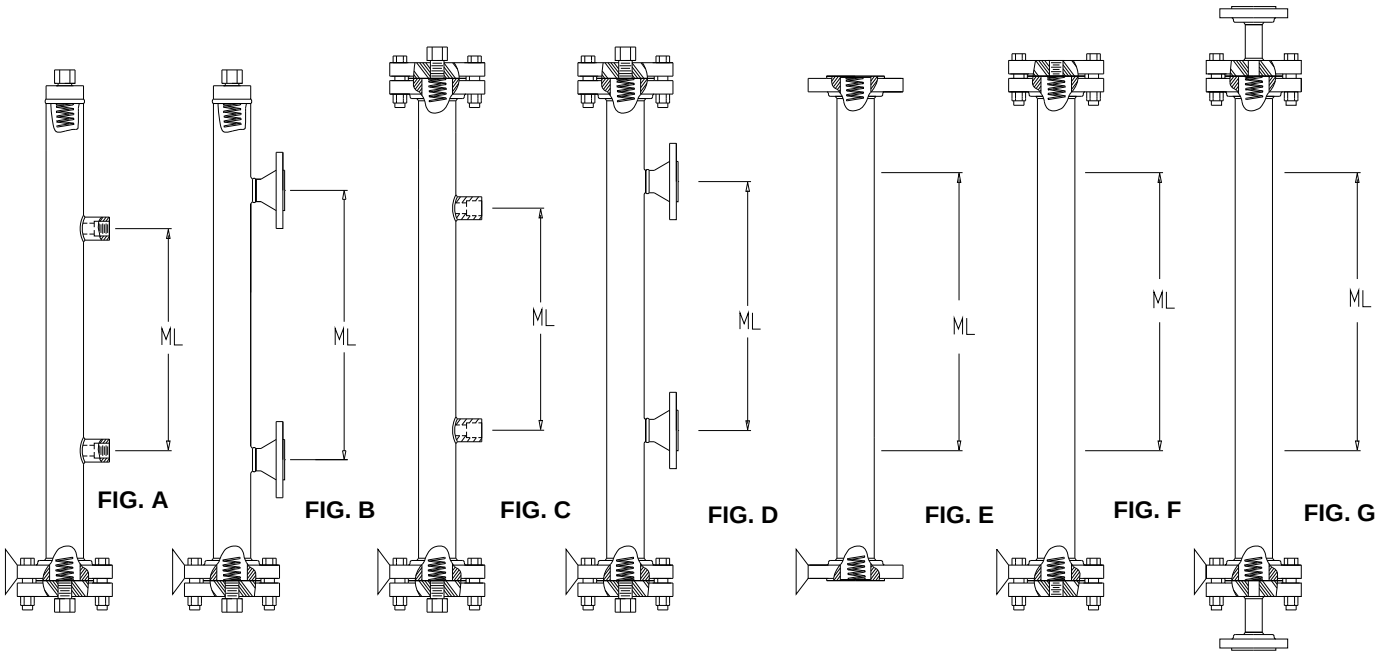
_____ Chamber Insulation
_____ Electric heat tracing
_____ Steam jacket
_____ Steam tracing
_____ Magnetic particle traps
_____ Specialty process connection (specify type: _____)
_____ Switches (specify type: _____)
_____ Transmitter - AT600 or AT200 (Select FFB, Hart, LCD, Honeywell DE)

Approval or documentation required

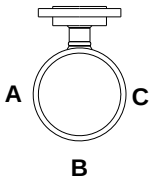
_____ CRN
_____ GOST—Russian
_____ ABS
_____ PED
_____ ASME
_____ Lloyds
_____ NACE
_____ Other

QUOTATION REQUEST - KM26S-Side Mount

Choose the appropriate configuration below or attach a sketch:



Select Orientation



Indicator ___A ___B ___C

Transmitter ___A ___B ___C

Switch(es) ___A ___B ___C

Note:

1. Overall length will always be greater than measuring length (ML). Please specify if a max overall length is required.
2. Cannot have two accessories at the same orientation.

Contact us

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