

KM26S Standardized Configuration Guide

Magnetic level gauge

K-TEK products

Measurement made easy



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 with 75 grams minimum upward buoyant force
- 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, CS Flange

Process capabilities

- Full vacuum to 600 lb flange rating
- -320 to 1000°F/ -196 to 538°C
- 0.25 specific gravity
- All liquid viscosities
- Interfaces as Low as .03ΔSG

Testing and documentation available upon request

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Standardized Model Number Configuration

KM26S.a.b.c.d.e.f.g.h.i.j - list additional required ordering codes separated by periods

- a Chamber Material - Select from Table 1
- b Connection Material - Select from Table 1
Note: When the chamber material selected is a coated option, the connection materials will also have that same coating type applied.
- c Top Connection Code Option - Select from Table 2
- d1-dx Side Connection Code Option(s) - Select from Table 2
- e Bottom Connection Code Option - Select from Table 2
- f Top Connection Size and Rating - Select from Table 3
Note: X shall be specified for B0, D0, S0, SW0, T0 and W0 code options. Only a size designation shall be specified for B1, B10, D1, D10, L1, SW1, SW10, W1, W10, W1E and W1S code options.
- g1-gx Side Connection Sizes and Ratings - Select from Table 3
Note: Designate each individually from top to bottom corresponding to each side option selected.
- h Bottom Connection Size and Rating - Select from Table 3
Note: X shall be specified for B0, D0, S0, SW0, T0 and W0 code options. Only a size designation shall be specified for B1, B10, D1, D10, L1, SW1, SW10, W1, W10, W1E and W1S code options.
- i Indicator Type
- | | |
|-----|--|
| S1P | Fluorescent Shuttle with Permanently Sealed Lexan Tube (250°F/121°C max) ^{1,4,5} |
| S1G | Fluorescent Shuttle with Hermetically Sealed Glass Tube (350°F/177°C max) ^{1,4,5} |
| S2G | High Temperature Shuttle with Hermetically Sealed Glass Tube (1000°F/538°C max) ^{1,4,5} |
| M1P | Yellow/Black MBG with Permanently Sealed Lexan Tube (250°F/121°C max) ^{2,4,5} |
| M2P | Red/White MBG with Permanently Sealed Lexan Tube (250°F/121°C max) ^{2,4,5} |
| M1G | Yellow/Black MBG with Hermetically Sealed Glass Tube (650°F/343°C max) ^{3,4,5} |
| M2G | Red/White MBG with Hermetically Sealed Glass Tube (650°F/343°C max) ^{3,4,5} |
| X | None |
- Notes:
1. Not available when a single transmitter is used for total & interface level combined.
 2. Add "IH" as an additional ordering code to include insulation pad behind the indicator to increase the temperature rating to 350°F/177°C.
- j Indicator Scale/Ruler
- | | |
|---|--|
| N | No indicator channel (must select "N" for Indicator Type) |
| A | SS channel; no scale |
| B | SS channel; SS scale marked in ft / inches with 1/2" divisions (from 0 to 50 ft. standard ³) |
| C | SS channel; SS scale marked in meters/centimeters with 1 cm divisions ^{1,3} |
| D | SS channel; SS scale marked in running inches with 1/2" divisions ^{2,3} |
| E | SS channel; SS scale marked in running inches with 1/8" divisions ^{2,3} |
| F | SS channel; custom SS scale (% , gallons, liters, etc.); Provide details of custom scale separate from model number. |
| H | SS channel; dual scale; Specify types separately from model number. |

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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"

Additional ordering codes

| | |
|----|--|
| VV | Vent Valve (In stock only 1/2", 3/4", 1") |
| IV | Isolation Valve (In stock only 1/2", 3/4", 1") |
| DV | Drain Valve (In stock only 1/2", 3/4", 1") |

Inside Services:

| | |
|-----|--|
| ASM | Certificate of Compliance to ASME (requires MTR's & Hydrotest) |
| COC | Certificate of Compliance (General) |
| CCC | Calibration Certificate |
| CRN | Canadian Registration Number (requires MTR's & Hydrotest) |
| COO | Certificate of Origin |
| DFR | Drawings (For Record) |
| DWG | Drawings (For Approval) |
| ABD | Drawings (As Built) |
| FUT | Functional Test |
| CRV | Float Curve (Total level only) |
| HYD | Hydrotest |
| HDC | Hydrotest (with chart recording) |
| ITP | Inspection & Test Plan, No third party inspection allowed; review only |
| MTR | Material Test Reports (MTR's) |
| MDR | MDR (Manufacturer's Data Records) |
| NAC | NACE Hardness Certificate (requires MTR's) |

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Table 1

| Chamber/Connection Material | |
|-----------------------------|---------------------------|
| SS4 | 304 / 304L SS |
| SS6 | 316 / 316L SS |
| | Carbon Steel ¹ |

Notes: ¹ Not available as a chamber option. When CST, LCS and DUP materials are chosen, all parts which are not welded directly to the side of the chamber can be of those same material types.

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Standardized Model Number Configuration

Table 2

| Code Options / Definitions | |
|----------------------------|---|
| B0 | Blind Flange with Float Stop Spring and Mating Slip-On Flange |
| B1 | B0 with FNPT ³ |
| B2 | B0 with Plug ³ |
| B3 | B0 with Socket Weld Half Coupling ³ |
| B4 | B0 with FNPT Half Coupling ³ |
| B5 | B0 with Nipple, for Socket Welding (Flat) ³ |
| B6 | B0 with Nipple, for Butt Welding (37.5° bevel) ³ |
| B7 | B0 with Nipple, MNPT ³ |
| B9S | B0 with Pipe Nipple and Slip-on Flange ³ |
| B9W | B0 with Pipe Nipple and Weld Neck Flange ³ |
| B10 | B0 with Socket Weld Bore ³ |
| B3L | B0 with Flat Sock-o-let or Flat Weld-o-let ³ |
| B4L | B0 with Flat Thread-o-let ³ |
| B5L | B0 with Flat Sock-o-let or Flat Weld-o-let and Nipple for Socket Welding (Flat) ³ |
| B6L | B0 with Flat Sock-o-let or Flat Weld-o-let and Nipple for Butt Welding (37.5° Bevel) ³ |
| B7L | B0 with Flat Sock-o-let or Flat Weld-o-let and Nipple, MNPT ³ |
| B9SL | B0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and Slip-on Flange ³ |
| B9WL | B0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and Weld Neck Flange ³ |
| B4P | B0 with FNPT Half Coupling and Plug ³ |
| B4LP | B0 with Flat Thread-o-let and Plug ³ |
| C0 | FNPT Coupling |
| C0P | C0 with plug |
| C0E | FNPT Half Coupling Connected via Extruded Outlet ² |
| C0EP | C0E with plug ² |
| C0L | Thread-o-let (Min. SCH 40 Chamber) |
| C0C | FNPT Coupling with Pipe Nipple |
| C0CE | FNPT Coupling with Pipe Nipple connected via Extruded Outlet ² |
| C1 | Socket Weld Half Coupling |
| C1C | Socket Weld Coupling with Pipe Nipple |
| C1CE | Socket Weld Coupling with Pipe Nipple connected via Extruded Outlet ² |
| C0LC | FNPT Coupling with Pipe Nipple and Sock-o-let (Min. SCH 40 Chamber) |
| C1L | Sock-o-let (Min. SCH 40 Chamber) |
| C1LC | Socket Weld Coupling with Pipe Nipple and Sock-o-let (Min. SCH 40 Chamber) |

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Standardized Chamber Configuration

Table 2

| Code Options / Definitions | |
|----------------------------|--|
| D0 | Blind Flange with Float Stop Spring and a Mating Weld Neck Flange |
| D1 | D0 with FNPT ³ |
| D2 | D0 with Plug ³ |
| D3 | D0 with Socket Weld Half Coupling ³ |
| D4 | D0 with FNPT Half Coupling ³ |
| D5 | D0 with Nipple, for Socket Welding (flat) ³ |
| D6 | D0 with Nipple, for Butt Welding (37.5° Bevel) ³ |
| D7 | D0 with Nipple, MNPT ³ |
| D9S | D0 with Pipe Nipple and Slip on Flange ³ |
| D9W | D0 with Pipe Nipple and Weld Neck Flange ³ |
| D10 | D0 with Flat Socket Weld Bore ³ |
| D3L | D0 with Flat Sock-o-let ³ |
| D4L | D0 with Thread-o-let ³ |
| D5L | D0 with Flat Sock-o-let and Nipple for Socket Welding (Flat) ³ |
| D6L | D0 with Flat Sock-o-let or Flat Weld-o-let, and Nipple for Butt Welding (37.5° Bevel) ³ |
| D7L | D0 with Flat Sock-o-let or Flat Weld-o-let and Nipple, MNPT ³ |
| D9L | D0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and Slip-on Flange ³ |
| D3C | D0 with Pipe Nipple and Socket Weld Coupling ³ |
| D4C | D0 with Pipe Nipple and FNPT Coupling ³ |
| D3LC | D0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and Socket Weld Coupling ³ |
| D4LC | D0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and FNPT Coupling ³ |
| D4P | D0 with FNPT Half Coupling and Plug ³ |
| D4LP | D0 with Flat Thread-o-let and Plug ³ |
| D4CP | D0 with Pipe Nipple, FNPT Coupling and Plug ³ |
| D4LCP | D0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple, FNPT Coupling and Plug ³ |

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Standardized Chamber Configuration

Table 2 (continued)

| Code Options / Definitions | |
|----------------------------|---|
| F | Weld Neck Flange with Float Stop Spring (Top/Bottom Code Option) ¹ |
| FE | Weld Neck Flange connected to chamber via Extruded Outlet ² |
| F0 | Weld Neck Flange with Pipe Nipple (Side Code Option) |
| F0E | FE with Pipe Between Chamber & Weld Neck Flange ² |
| F1 | Weld Neck Flange with Weld-o-let (Min. SCH 40 Chamber) |
| F1C | Weld Neck Flange with Weld-o-let and Pipe Nipple (Min. SCH 40 Chamber) |
| F2 | Weld Neck Flange with Weld-o-let and Concentric Reducer (Min. SCH 40 Chamber) |
| F2C | Weld Neck Flange with Weld-o-let and Concentric Reducer and Pipe Nipple (Min. SCH 40 Chamber) |
| F3 | Weld Neck Flange with Concentric Reducer |
| F3E | Weld Neck Flange with Concentric Reducer connected to chamber via Extruded Outlet ² |
| F3C | Weld Neck Flange with Concentric Reducer and Pipe Nipple |
| F3CE | Weld Neck Flange with Concentric Reducer and Pipe Nipple connected via Extruded Outlet ² |
| F4 | Weld Neck Flange with Butt Weld Tee |
| F4C | Weld Neck Flange with Butt Weld Tee and Pipe Nipple |
| F43 | Weld Neck Flange with Butt Weld Tee and Concentric Reducer |
| F43C | Weld Neck Flange with Butt Weld Tee and Concentric Reducer and Pipe Nipple |
| F9 | Weld Neck Flange with Concentric Reducer (Top/Bottom Code Option) |
| GE | Slip-On Flange connected to chamber via Extruded Outlet ² |
| G0 | Slip-On Flange with Pipe Nipple (Side Code Option) ³ |
| G1 | Slip-On Flange with Weld-o-let and Pipe Nipple (Min. SCH 40 Chamber) ³ |
| G2 | Slip-On Flange with Weld-o-let, Concentric Reducer and Pipe Nipple |
| G3 | Slip-On Flange with Concentric Reducer and Pipe Nipple |
| G3E | Slip-On Flange with Concentric Reducer and Pipe Nipple Connected via Extruded Outlet ² |
| G4 | Slip-On Flange with Butt Weld Tee and Pipe Nipple ³ |
| G43 | Slip-On Flange with Butt Weld-o-let, Concentric Reducer and Pipe Nipple |
| N0E | Branch Nipple for Socket Weld (Flat) connected to chamber via Extruded Outlet ² |
| N0 | Branch Nipple for Socket Weld (Flat) |
| N2E | Branch Nipple for Butt Welding (37.5° Bevel) connected to chamber via Extruded Outlet ² |
| N2 | Branch Nipple for Butt Welding (37.5° Bevel) |
| N3E | MNPT Branch Nipple connected to chamber via Extruded Outlet ² |
| N3 | MNPT Branch Nipple |
| N6 | Weld-o-let for Butt Welding (Min. SCH 40 Chamber) |
| NOL | Weld-o-let with Nipple for Socket Weld (Flat) (Min. SCH 40 Chamber) |
| N2L | Weld-o-let with Nipple, for Butt Welding (37.5° Bevel) (Min. SCH 40 Chamber) |
| N3L | Weld-o-let with Nipple, MNPT, (Min. SCH 40 Chamber) |

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Standardized Chamber Configuration

Table 2 (continued)

| Code Options / Definitions | |
|----------------------------|--|
| R9 | Weld Neck Flange with Mating Weld Neck Flange, Concentric Reducer and weld Neck Flange |
| S0 | Screwed Pipe Cap with Float Stop Spring (Min. SCH 40 Chamber) |
| S4 | S0 with FNPT Half Coupling (Min. SCH 40 Chamber) |
| S4P | S0 with FNPT Half Coupling and Plug (Min. SCH 40 Chamber) |
| S7 | S0 with Nipple, MNPT |
| SW | Socket Weld Flange with Float Stop Spring (Top/Bottom Code Option) ¹ |
| SW0 | Blind Flange with Float Stop Spring and Mating Socket Weld Flange |
| SW1 | SW0 with FNPT ³ |
| SW2 | SW0 with Plug ³ |
| SW3 | SW0 with Socket Weld Half Coupling ³ |
| SW4 | SW0 with FNPT Half Coupling ³ |
| SW5 | SW0 with Nipple, for Socket Welding (Float) ³ |
| SW6 | SW0 with Nipple, for Butt Welding (37.5° bevel) ³ |
| SW7 | SW0 with Nipple, MNPT ³ |
| SW9 | SW0 with Pipe Nipple and Socket Weld Flange ³ |
| SW10 | SW0 with Socket Weld Bore ³ |
| SW3L | SW0 with Flat Sock-o-let or Flat Weld-o-let ³ |
| SW4L | SW0 with Flat Thread-o-let ³ |
| SW5L | SW0 with Flat Sock-o-let or Flat Weld-o-let and Nipple for Socket Welding (Flat) ³ |
| SW6L | SW0 with Flat Sock-o-let or Flat Weld-o-let and Nipple for Butt Welding (37.5° bevel) ³ |
| SW7L | SW0 with Flat Sock-o-let or Flat Weld-o-let and Nipple for Nipple, MNPT ³ |
| SW9L | SW0 with Flat Sock-o-let or Flat Weld-o-let and Nipple for Pipe Nipple and Socket Weld Flange ³ |
| SW3C | SW0 with Pipe Nipple and Socket Weld Coupling ³ |
| SW4C | SW0 with Pipe Nipple and FNPT Coupling ³ |
| SW3LC | SW0 with Flat Sock-o-let or Flat Weld-o-let and Nipple and Socket Weld Coupling ³ |
| SW4LC | SW0 with Flat Sock-o-let or Flat Weld-o-let and Nipple and FNPT Coupling ³ |
| SW4P | SW0 with FNPT Half Coupling and Plug ³ |
| SW4LP | SW0 with Thread-o-let and Plug ³ |
| SW4CP | SW0 with Pipe Nipple, FNPT Half Coupling and Plug ³ |
| SW4LCP | SW0 with Thread-o-let, Pipe Nipple, FNPT Coupling and Plug ³ |
| SWS1 | Socket Weld Flange with Weld-o-let or Sock-o-let and Pipe Nipple |
| SWS | Socket Weld Flange with Pipe Nipple |
| SWE | Socket Weld Flange connected to chamber via Extruded Outlet ² |
| SWS3 | Socket Weld Flange with Concentric Reducer and Pipe Nipple |
| SWS3E | Socket Weld Flange with Concentric Reducer and Pipe Nipple connected via Extruded Outlet |
| SWS4 | Socket Weld Flange with Butt Weld Tee and Pipe Nipple |
| SWS2 | Socket Weld Flange with Sock-o-let, Pipe Nipple, Concentric Reducer and Pipe Nipple |
| SWS43 | Socket Weld Flange with Butt Weld Tee, Concentric Reducer and Pipe Nipple |

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Standardized Chamber Configuration

Table 2 (continued)

| Code Options / Definitions | |
|----------------------------|--|
| T0 | Butt Welded Pipe Cap |
| T3 | T0 with Socket Weld Half Coupling |
| T4 | T0 with FNPT Half Coupling |
| T5 | T0 with Nipple, for Socket Welding (Flat) |
| T6 | T0 with Nipple, for Butt Welding (37.5° Bevel) |
| T7 | T0 with Nipple, MNPT |
| T9S | T0 with Nipple and Slip on Flange ³ |
| T9SW | T0 with Nipple and Socket Weld Flange |
| T9W | T0 with Nipple and Weld Neck Flange |
| T3L | T0 with Flat Sock-o-let |
| T4L | T0 with Flat Thread-o-let |
| T4P | T0 with FNPT Half Coupling and Plug |
| T4LP | T0 with Flat Thread-o-let and Plug |
| T5L | T0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple, for Socket Welding (Flat) |
| T6L | T0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple, for Butt Welding (37.5° Bevel) |
| T7L | T0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple, MNPT |
| T9SL | T0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and Slip on Flange ³ |
| T9WL | T0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and Weld Neck Flange |
| T9SWL | T0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and Socket Weld Flange |

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Standardized Chamber Configuration

Table 2 (continued)

| Code Options / Definitions | |
|----------------------------|---|
| W0 | Welded Flat Pipe Cap with Float Stop Spring |
| W1 | W0 with FNPT |
| W2 | W0 with Plug |
| W3 | W0 with Socket Weld Half Coupling |
| W4 | W0 with FNPT Half Coupling |
| W5 | W0 with Nipple, for Socket Welding (Flat) |
| W6 | W0 with Nipple, for Butt Welding (37.5° Bevel) |
| W7 | W0 with Nipple, MNPT |
| W9S | W0 with Nipple and Slip on Flange ³ |
| W9W | W0 with Nipple and Weld Neck Flange |
| W10 | W0 with Socket Weld Bore |
| W3L | W0 with Flat Sock-o-let |
| W4L | W0 with Flat Thread-o-let |
| W5L | W0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple for Socket Welding (Flat) |
| W6L | W0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple for Butt Welding (37.5° Bevel) |
| W7L | W0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple, MNPT |
| W9SL | W0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple and Slip-on Flange |
| W9WL | W0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple and Weld Neck Flange |
| W9SWL | W0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple and Socket Weld Flange |
| W1E | Branch Nipple with Flat End Cap with FNPT, connected via Extruded Outlet ² |
| W1S | Branch Nipple with Flat End Cap with FNPT, connected via Saddle Weld |
| X | No Connection |

Notes:

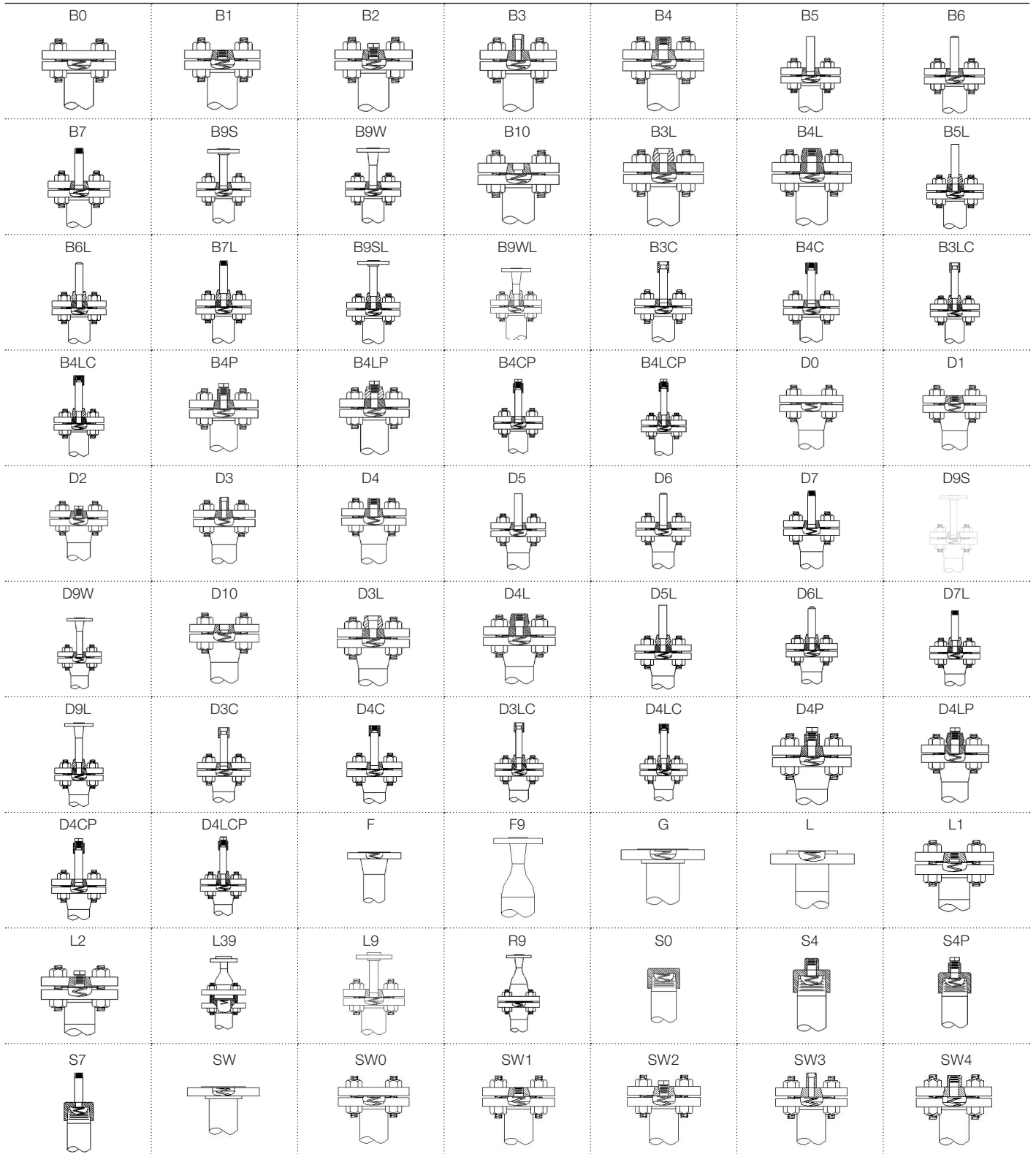
- When a flanged option (F, G, L, SW) is a process connection on either end of the chamber as shown in the configuration tables these will be provided with a float stop bar (or disk) and spring to keep the float confined in the chamber.
- Extruded outlet connections can be utilized as follows:

| | <u>Chamber Schedule</u> | <u>Flange/Pipe Sizes</u> | <u>COUPLING SIZES</u> |
|-------------------|-------------------------|--------------------------|-----------------------|
| *Stainless Steel: | 10 | 1", 1-1/2" & 2" | 3/4", 1", 1 1/4" |
| *Stainless Steel: | 40 | 1-1/2" & 2" | 1 1/4" |

*Includes SS4 and SS6 material types.

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Standardized Chamber Configuration - Top



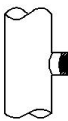
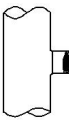
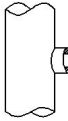
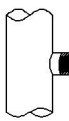
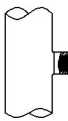
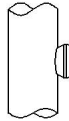
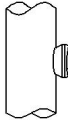
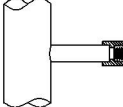
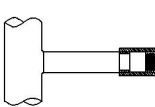
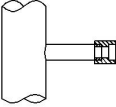
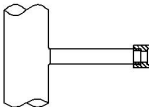
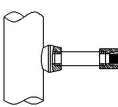
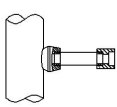
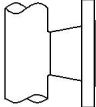
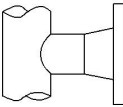
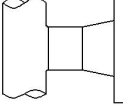
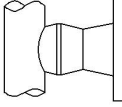
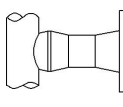
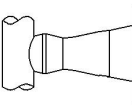
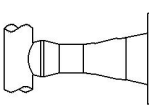
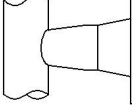
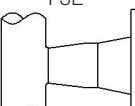
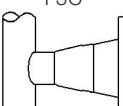

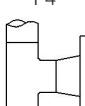
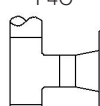
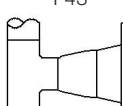
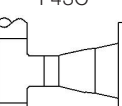
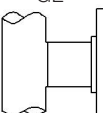
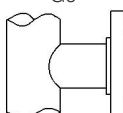
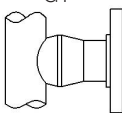
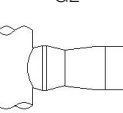
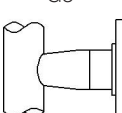
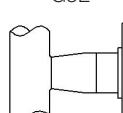
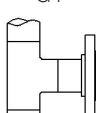
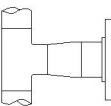
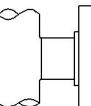
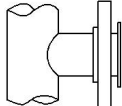
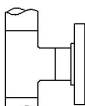
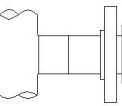
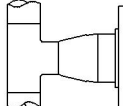
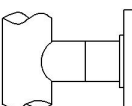
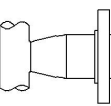
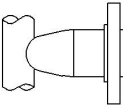
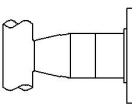
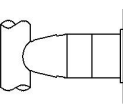
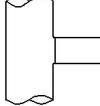
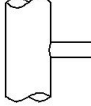
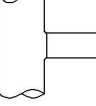
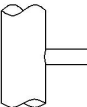
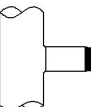
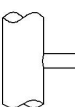
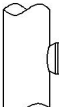
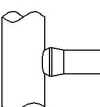
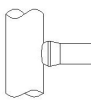
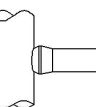






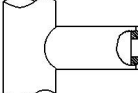

KM26S Magnetic Level Gauge

Standardized Chamber Configuration - Top

| | | | | | | |
|-------|------|----------------|-------|----------------|------|-------|
| SW5 | SW6 | SW7 | SW9 | SW10 | SW3L | SW4L |
| SW5L | SW6L | SW7L | SW9L | SW3C | SW4C | SW3LC |
| SW4LC | SW4P | SW4LP | SW4CP | SW4LCP | T0 | T3 |
| T4 | T5 | T6 | T7 | T9S and T9SW | T9W | T3L |
| T4L | T5L | T6L | T7L | T9SL and T9SWL | T9WL | T3C |
| T4C | T3LC | T4LC | T4P | T4LP | T4CP | T4LCP |
| W0 | W1 | W2 | W3 | W4 | W5 | W6 |
| W7 | W9S | W9W | W10 | W3L | W4L | W5L |
| W6L | W7L | W9SL and W9SWL | W9WL | W3C | W4C | W3LC |
| W4LC | W4LP | W4CP | W4LCP | | | |

KM26S Magnetic Level Gauge

Standardized Chamber Configuration - Side

| | | | | | | |
|---|---|---|--|--|--|--|
|  C0 |  C0E |  C1 |  C0P |  C0EP |  C0L |  C1L |
|  C0C |  C0CE |  C1C |  C1CE |  C0LC |  C1LC |  FE |
|  F0 |  F0E |  F1 |  F1C |  F2 |  F2C |  F3 |
|  F3E |  F3C |  F3CE |  F4 |  F4C |  F43 |  F43C |
|  GE |  G0 |  G1 |  G2 |  G3 |  G3E |  G4 |
|  G43 |  LE |  L0 |  L4 |  LCE |  L43 |  LC |
|  L3E |  L3 |  L3EC |  L3C |  N0E |  N0 |  N2E |
|  N2 |  N3E |  N3 |  N6 |  N0L |  N2L |  N3L |
|  SWS1 |  SWSE |  SWS3 |  SWS3E |  SWS4 |  W1E |  W1S |
|  X | | | | | | |

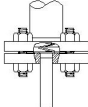
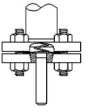
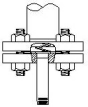
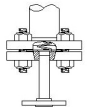
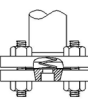
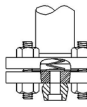
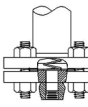
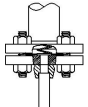
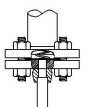
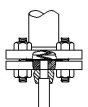
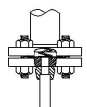
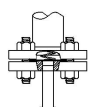
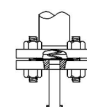
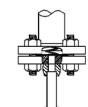
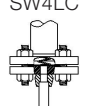
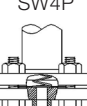
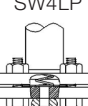
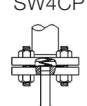
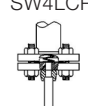

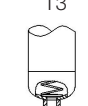
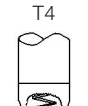
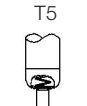
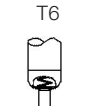
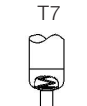

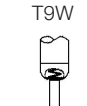
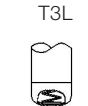
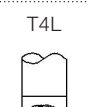
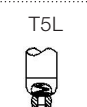
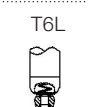



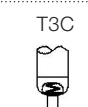
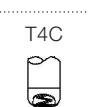


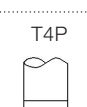



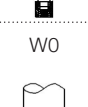
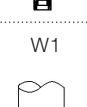
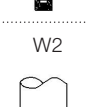
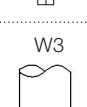
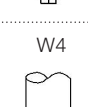
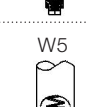
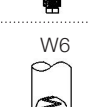


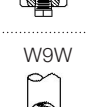
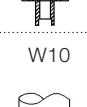
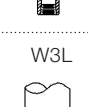
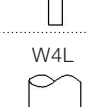
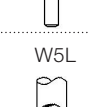
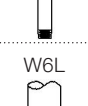
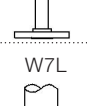

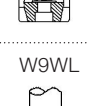


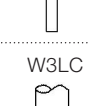


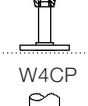
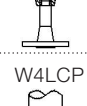
KM26S Magnetic Level Gauge

Standardized Chamber Configuration - Bottom

| | | | | | | |
|------|-------|------|------|-------|-----|------|
| B0 | B1 | B2 | B3 | B4 | B5 | B6 |
| B7 | B9S | B9W | B10 | B3L | B4L | B5L |
| B6L | B7L | B9SL | B9WL | B3C | B4C | B3LC |
| B4LC | B4P | B4LP | B4CP | B4LCP | D0 | D1 |
| D2 | D3 | D4 | D5 | D6 | D7 | D9S |
| D9W | D10 | D3L | D4L | D5L | D6L | D7L |
| D9L | D3C | D4C | D3LC | D4LC | D4P | D4LP |
| D4CP | D4LCP | F | F9 | G | L | L1 |
| L2 | L39 | L9 | R9 | S0 | S4 | S4P |
| S7 | SW | SW0 | SW1 | SW2 | SW3 | SW4 |

KM26S Magnetic Level Gauge

Standardized Chamber Configuration - Bottom

| | | | | | | |
|---|---|---|--|--|---|--|
| SW5  | SW6  | SW7  | SW9  | SW10  | SW3L  | SW4L  |
| SW5L  | SW6L  | SW7L  | SW9L  | SW3C  | SW4C  | SW3LC  |
| SW4LC  | SW4P  | SW4LP  | SW4CP  | SW4LCP  | T0  | T3  |
| T4  | T5  | T6  | T7  | T9S and T9SW  | T9W  | T3L  |
| T4L  | T5L  | T6L  | T7L  | T9SL and T9SWL  | T9WL  | T3C  |
| T4C  | T3LC  | T4LC  | T4P  | T4LP  | T4CP  | T4LCP  |
| W0  | W1  | W2  | W3  | W4  | W5  | W6  |
| W7  | W9S  | W9W  | W10  | W3L  | W4L  | W5L  |
| W6L  | W7L  | W9SL and W9SWL  | W9WL  | W3C  | W4C  | W3LC  |
| W4LC  | W4LP  | W4CP  | W4LCP  | | | |

KM26S Magnetic Level Gauge

Standardized Chamber Configuration

Table 3

| Flanged Connections | | | | |
|---------------------|-----------------|------------------|----------------------|--------------------|
| Size | Pressure Rating | Slip on Flanges: | Socket Weld Flanges: | Weld Neck Flanges: |
| | | Raised Face | Raised Face | Raised Face |
| 1/2" | 150# | SR51 | SWR51 | WR51 |
| | 300# | SR53 | SWR53 | WR53 |
| | 600# | SR56 | SWR56 | WR56 |
| 3/4" | 150# | SR71 | SWR71 | WR71 |
| | 300# | SR73 | SWR73 | WR73 |
| | 600# | SR76 | SWR76 | WR76 |
| 1" | 150# | SR11 | SWR11 | WR11 |
| | 300# | SR13 | SWR13 | WR13 |
| | 600# | SR16 | SWR16 | WR16 |
| 1-1/2" | 150# | SR151 | SWR151 | WR151 |
| | 300# | SR153 | SWR153 | WR153 |
| | 600# | SR156 | SWR156 | WR156 |
| 2" | 150# | SR21 | SWR21 | WR21 |
| | 300# | SR23 | SWR23 | WR23 |
| | 600# | SR26 | SWR26 | WR26 |
| 2-1/2" | 150# | SR251 | SWR251 | WR251 |
| | 300# | SR253 | SWR253 | WR253 |
| | 600# | SR256 | SWR256 | WR256 |
| 3" | 150# | SR31 | SWR31 | WR31 |
| | 300# | SR33 | SWR33 | WR33 |
| | 600# | SR36 | SWR36 | WR36 |

KM26S Magnetic Level Gauge

Standardized Connection Sizes & Ratings

Table 3 (continued)

| Size | Pressure Rating | Slip on Flanges: | Socket Weld Flanges: | Weld Neck Flanges: |
|------|-----------------|------------------|----------------------|--------------------|
| | | Raised Face | Raised Face | Raised Face |
| 4" | 150# | SR41 | N/A | WR41 |
| | 300# | SR43 | N/A | WR43 |
| | 600# | SR46 | N/A | WR46 |

NOTES:

- Extruded Outlets are full bore up to a maximum of 2" See Note 2, Table 2 on page 11.
- Flat face flanges can be supplied in lieu of raised face. Replace "R" notation with "F". (i.e. For a 1/2" 150# flat face slip-on. . . SF51)
- The items marked "N/A" are not available per ASME B16.5.

| Weld-o-lets: | | | Sock-o-lets: | | | Thread-o-lets: | | |
|--------------|---------|-------------|--------------|--------|-------------|----------------|--------|-------------|
| Size | Rating | Designation | Size | Rating | Designation | Size | Rating | Designation |
| 1/2" | SCH 40 | W054 | 1/2" | 3000# | S053 | 1/2" | 3000# | T053 |
| 3/4" | SCH 40 | W075 | 3/4" | 3000# | S073 | 3/4" | 3000# | T073 |
| 1" | SCH 40 | W104 | 1" | 3000# | S103 | 1" | 3000# | T103 |
| 1-1/2" | SCH 40 | W154 | 1-1/2" | 3000# | S153 | 1-1/2" | 3000# | T153 |
| 2" | SCH 40 | W204 | 2" | 3000# | S203 | 2" | 3000# | T203 |
| 1/2" | SCH 80 | W058 | 1/2" | 6000# | S056 | 1/2" | 6000# | T056 |
| 3/4" | SCH 80 | W078 | 3/4" | 6000# | S076 | 3/4" | 6000# | T076 |
| 1" | SCH 80 | W108 | 1" | 6000# | S106 | 1" | 6000# | T106 |
| 1-1/2" | SCH 80 | W158 | 1-1/2" | 6000# | S156 | 1-1/2" | 6000# | T156 |
| 2" | SCH 80 | W208 | 2" | 6000# | S206 | 2" | 6000# | T206 |
| 1/2" | SCH 160 | W051 | | | | | | |
| 3/4" | SCH 160 | W071 | | | | | | |
| 1" | SCH 160 | W101 | | | | | | |
| 1-1/2" | SCH 160 | W151 | | | | | | |
| 2" | SCH 160 | W201 | | | | | | |

| Pipe Nipples: | | | Plugs: | | | Threaded Couplings: | | | Socket Weld Couplings: | | | Female Threaded & Socket Weld Connection Designation | | |
|---------------|---------|-------------|--------|--------|-------------|---------------------|--------|-------------|------------------------|--------|-------------|--|------------------|-----------------|
| Size | Rating | Designation | Size | Rating | Designation | Size | Rating | Designation | Size | Rating | Designation | Size | FNPT Designation | FSW Designation |
| 1/2" | SCH 40 | N054 | 1/2" | 3000# | P053 | 1/2" | 3000# | C053 | 1/2" | 3000# | SC053 | 1/2" | FN05 | SW05 |
| 3/4" | SCH 40 | N074 | 3/4" | 3000# | P073 | 3/4" | 3000# | C073 | 3/4" | 3000# | SC073 | 3/4" | FN07 | SW07 |
| 1" | SCH 40 | N104 | 1" | 3000# | P103 | 1" | 3000# | C103 | 1" | 3000# | SC103 | 1" | FN10 | SW10 |
| 1-1/2" | SCH 40 | N154 | 1-1/2" | 3000# | P153 | 1-1/2" | 3000# | C153 | 1-1/2" | 3000# | SC153 | 1-1/2" | FN15 | SW15 |
| 2" | SCH 40 | N204 | 2" | 3000# | P203 | 2" | 3000# | C203 | 2" | 3000# | SC203 | 2" | FN20 | SW20 |
| 1/2" | SCH 80 | N058 | 1/2" | 6000# | P056 | 1/2" | 6000# | C056 | 1/2" | 6000# | SC056 | | | |
| 3/4" | SCH 80 | N078 | 3/4" | 6000# | P076 | 3/4" | 6000# | C076 | 3/4" | 6000# | SC076 | | | |
| 1" | SCH 80 | N108 | 1" | 6000# | P106 | 1" | 6000# | C106 | 1" | 6000# | SC106 | | | |
| 1-1/2" | SCH 80 | N158 | 1-1/2" | 6000# | P156 | 1-1/2" | 6000# | C156 | 1-1/2" | 6000# | SC156 | | | |
| 2" | SCH 80 | N208 | 2" | 6000# | P206 | 2" | 6000# | C206 | 2" | 6000# | SC206 | | | |
| 1/2" | SCH 160 | N051 | | | | | | | | | | | | |
| 3/4" | SCH 160 | N071 | | | | | | | | | | | | |
| 1" | SCH 160 | N101 | | | | | | | | | | | | |
| 1-1/2" | SCH 160 | N151 | | | | | | | | | | | | |
| 2" | SCH 160 | N201 | | | | | | | | | | | | |

KM26S Magnetic Level Gauge 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

Vibration Level Switch

RS85: Refer to RS85-0202-1 Data Sheet for Ordering Information

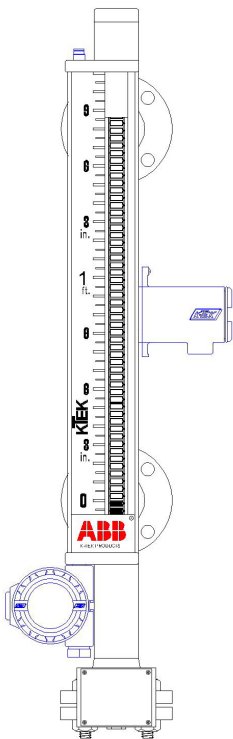
Thermal Dispersion Switch

TX: Refer to TX-0202-1 Data Sheet for Ordering Information

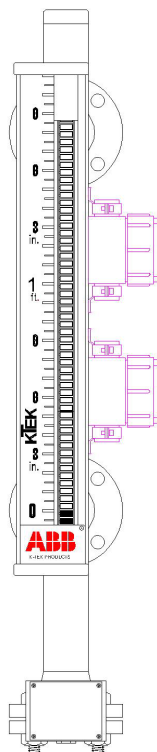
All data sheets are available on the ABB website at www.abb.com/level.

Sample Accessories

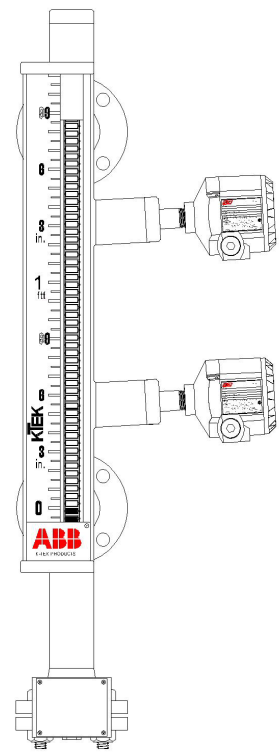
KM26 with AT200 & MS41



KM26 with 2 MS40EX's



KM26 with 1 TX & 1 RS85



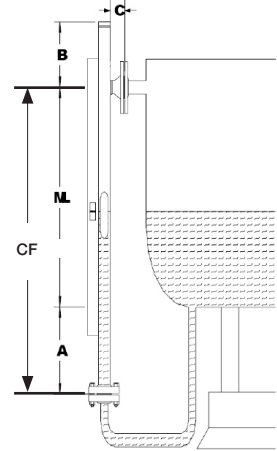
KM26S Magnetic Level Gauge

Example Applications

Top Process (from Side) and Bottom Process (from bottom) of KM26 (Center to Face)

Sample Model #:
KM26S.SS6.SS6.WO.FE.X.G.WR21.SR21.S1G.B-IH1.TT1

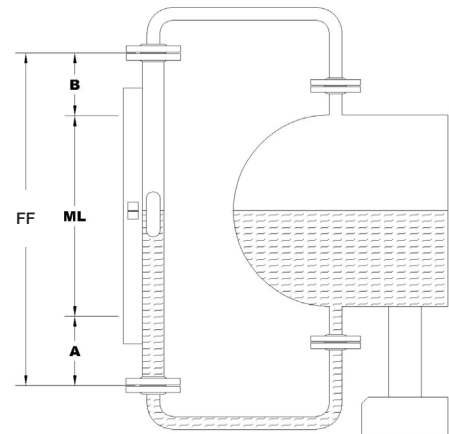
Note: The required CF and/or ML dimensions shall be specified by the customer.



Top Process and Bottom Process (from top and bottom) of KM26 (Face to Face)

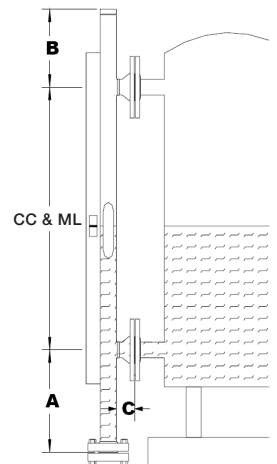
Sample Model #:
KM26S.SS6.CST.G.X.X.G.SR21.SR21.S1P.C

Note: The required FF and/or ML dimensions (in addition to the desired A and B dimensions) shall be specified by the customer.



Top and Bottom Process Connection (from side) of KM26 (Center to Center)

Sample Model #:
KM26S.SS4.SS4.WO.FE.FE.B0.WR23.WR23.S2G.D



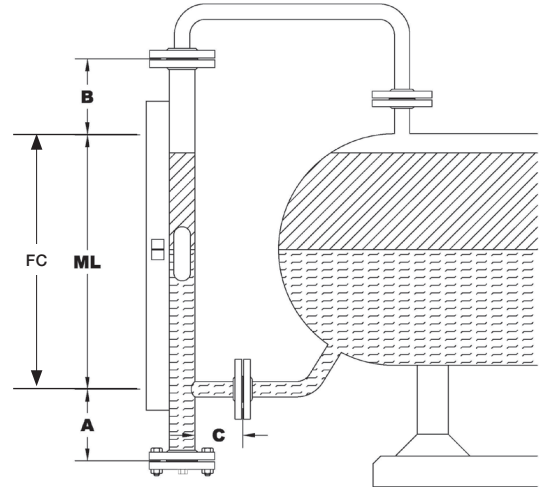
KM26S Magnetic Level Gauge

Example Applications

Top Process (from top) and Bottom Process (from bottom side) of KM26 (Face to Center)

Sample Model #:
KM26S.SS6.CST.G.X.GE.B2.SR21.SR21.P073.S2G.B

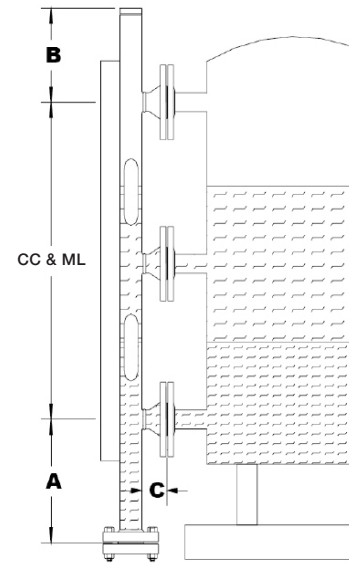
Note: The required FC and/or ML dimensions shall be specified by the customer.



Dual Level Application (Center to Center to Center)

Sample Model #:
KM26S.SS6.SS6.W0.FE.FE.FE.B0.WR21.WR21.WR21.M1GD.B

Note: The distance between each side connection shall be specified by the customer.



KM26S Magnetic Level Gauge

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 or LBU: _____

Country of Final Destination: _____

Note: This information will be required before accepting an order.

*** All fields required**

Tag ID#: _____

Process Conditions

Application for (select one): Total Level - Interface Level - Total & Interface

Upper Fluid Operating Sp. Gravity: _____

Minimum Specific Gravity: _____

Lower Fluid Second Sp. Gravity: _____

Fluid(s): _____ If water, steam service? Yes - No

Operating Temp: _____ Max Temp: _____ Min. Temp: _____

Operating Pressure: _____ Max Pressure: _____

Minimum Ambient Temperature: _____

High Vibration Environment (Compressor Etc.)? Yes - No

Chamber & Float Details

Chamber Material: _____

Float Material: _____

Flange Material: _____

Center to Center/ Measuring Length: _____

Vent/Drain Type & Size: _____

Process Connection

Type: _____

Size: _____

Rating: _____

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: _____

KM26S Magnetic Level Gauge

Quotation Request - KM26S - Side Mount

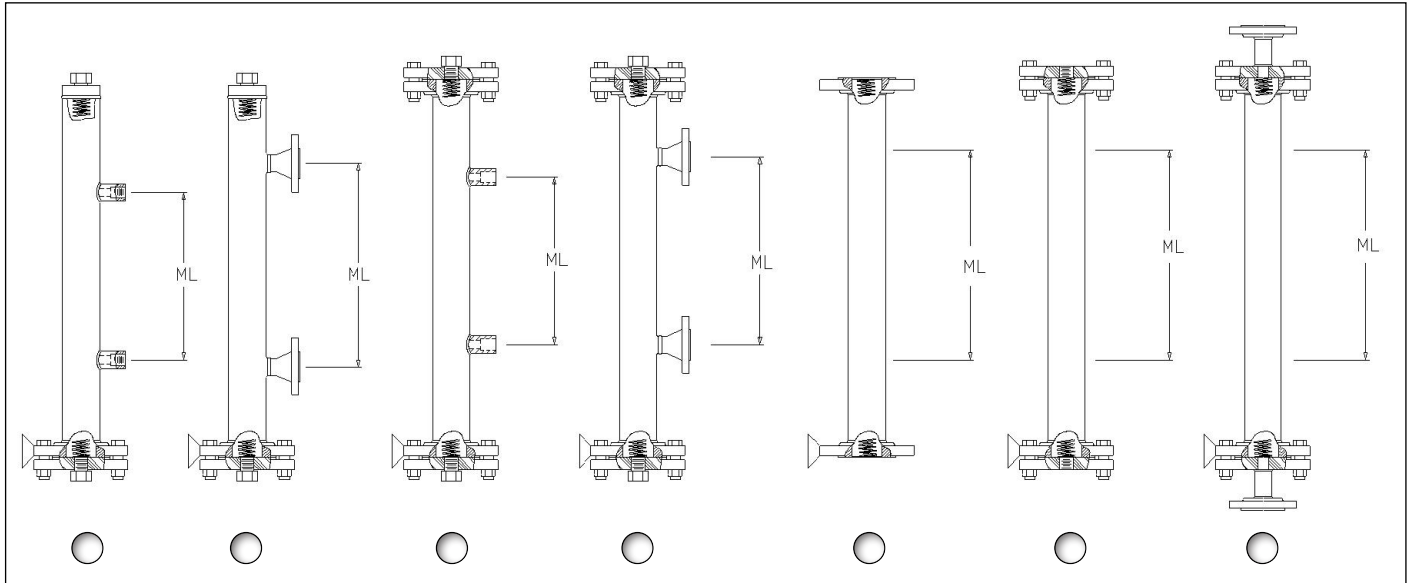
Accessories Required (choose all that apply)

- | | |
|--|--|
| <input type="checkbox"/> Chamber Insulation | <input type="checkbox"/> Magnetic Particle Traps |
| <input type="checkbox"/> Electric Heat Tracing | <input type="checkbox"/> Specialty Process Connection (specify type: _____) |
| <input type="checkbox"/> Steam Jacket | <input type="checkbox"/> Switches (specify type: _____) |
| <input type="checkbox"/> Steam Tracing | <input type="checkbox"/> Transmitter - AT600 or AT200 (select: FFB, Hart, LCD, Honeywell DE) |

Approval or Documentation required:

- | | | |
|---|-------------------------------|--------------------------------|
| <input type="checkbox"/> CRN | <input type="checkbox"/> PED | <input type="checkbox"/> Other |
| <input type="checkbox"/> GOST - Russian | <input type="checkbox"/> ASME | |
| <input type="checkbox"/> ABS | <input type="checkbox"/> NACE | |

Choose the appropriate configuration below or attach a sketch

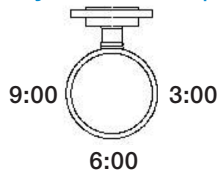


Select orientation (only 1 accessory allowed per position)

Indicator: 3:00 6:00 9:00

AT Transmitter: 3:00 6:00 9:00

Switches: 3:00 6:00 9:00



Note: Overall length will always be greater than measuring length (ML). Please specify if a max overall length is required.

Contact us

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Fax: +1 225 673 2525
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Service