

VEGAPULSE6x

Application

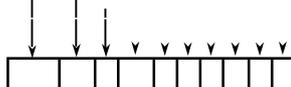
- S** Standard
- H** Standard - Horizontal installation position
- A** Media containing acetone up to 50°C
- M** Highly concentrated ammonia up to 10m measuring range

Radar technology

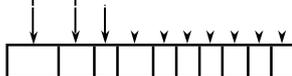
- W** 80 GHz technology

Process Connection Fitting / Material

- D1** Flange EN1092-1, DN20 PN6, with raised face, Form B1 / 316/316L
- D3** Flange EN1092-1, DN20 PN40, with raised face, Form B1 / 316/316L
- D4** Flange EN1092-1, DN25 PN6, with raised face, Form B1 / 316/316L
- D6** Flange EN1092-1, DN25 PN40, with raised face, Form B1 / 316/316L
- TX** Flange EN1092-1, DN32 PN6, with raised face, Form B1 / 316/316L
- TY** Flange EN1092-1, DN32 PN40, with raised face, Form B1 / 316/316L
- D7** Flange EN1092-1, DN40 PN6, with raised face, Form B1 / 316/316L
- D9** Flange EN1092-1, DN40 PN40, with raised face, Form B1 / 316/316L
- FA** Flange EN1092-1, DN50 PN6, with raised face, Form B1 / 316/316L
- FB** Flange EN1092-1, DN50 PN40, with raised face, Form B1 / 316/316L
- RF** Flange EN1092-1, DN50 PN40, with raised face, Form B1 / Alloy C22 (2.4602)
- IC** Flange EN1092-1, DN50 PN100, with raised face, form B1 / 316/316L
- JV** Flange EN1092-1, DN50 PN160, with raised face, Form B1, / 316/316L
- FD** Flange EN1092-1, DN65 PN6, with raised face, Form B1 / 316/316L
- JX** Customer-specific flange similar to EN1092-1, DN65 PN6, with raised face, ø100 mm, 6 mm high, 8 holes ø14 mm
- FE** Flange EN1092-1, DN65 PN16, with raised face, Form B1 / 316/316L
- FF** Flange EN1092-1, DN65 PN40, with raised face, Form B1 / 316/316L
- FG** Flange EN1092-1, DN80 PN6, with raised face, Form B1 / 316/316L
- JZ** Customised flange similar to EN1092-1, DN80 PN6, with sealing strip, ø138 mm, 24 mm high, 18 holes ø9mm M80
- FH** Flange EN1092-1, DN80 PN40, with raised face, Form B1 / 316/316L
- RG** Flange EN1092-1, DN80 PN40, with raised face, Form B1 / Alloy C22 (2.4602)
- K9** Flange EN1092-1, DN80 PN40, with welding lip, form B1 / 316/316L
- FZ** Flange EN1092-1, DN80 PN63, with raised face, form B1 / 316/316L
- JY** Flange EN1092-1, DN80 PN100, with raised face, Form B1 / 316/316L
- F4** Flange EN1092-1, DN80 PN160, with raised face, Form B1 / 316/316L
- FJ** Flange EN1092-1, DN100 PN6, with raised face, Form B1 / 316/316L
- FL** Flange EN1092-1, DN100 PN16, with raised face, Form B1 / 316/316L
- RH** Flange EN1092-1, DN100 PN16, with raised face, Form B1 / Alloy C22 (2.4602)
- FN** Flange EN1092-1, DN100 PN40, with raised face, Form B1 / 316/316L
- FX** Flange EN1092-1, DN100 PN63, with raised face, Form B1 / 316/316L
- F2** Flange EN1092-1, DN100 PN100, with raised face, form B1 / 316/316L
- F8** Flange EN1092-1, DN100 PN160, with raised face, form B1 / 316/316L
- FI** Flange EN1092-1, DN125 PN6, with raised face, form B1 / 316/316L
- FP** Flange EN1092-1, DN125 PN16, with raised face, Form B1 / 316/316L
- FR** Flange EN1092-1, DN150 PN6, with raised face, Form B1 / 316/316L
- FS** Flange EN1092-1, DN150 PN16, with raised face, Form B1 / 316/316L
- FU** Flange EN1092-1, DN150 PN40, with raised face, Form B1 / 316/316L
- RI** Flange EN1092-1, DN150 PN63, with raised face, Form B1 / 316/316L
- FW** Flange EN1092-1, DN200 PN10, with raised face, Form B1 / 316/316L
- FY** Flange EN1092-1, DN200 PN16, with raised face, Form B1 / 316/316L
- JG** Flange EN1092-1, DN250 PN16, with raised face, Form B1 / 316/316L
- IL** Flange EN1092-1, DN300 PN10, with raised face, Form B1 / 316/316L
- HA** Flange EN1092-1, DN50 PN40, with spring, form C / 316/316L
- HB** Flange EN1092-1, DN50 PN63, with spring, form C / 316/316L
- IS** Flange EN1092-1, DN50 PN100, with spring, form C / 316/316L
- HD** Flange EN1092-1, DN80 PN40, with spring, form C / 316/316L
- HF** Flange EN1092-1, DN80 PN63, with spring, form C / 316/316L
- JA** Flange EN1092-1, DN80 PN100, with spring, Form C / 316/316L
- JA** Flange EN1092-1, DN80 PN100, with spring, Form C / 316/316L
- HH** Flange EN1092-1, DN100 PN16, with spring, form C / 316/316L
- HJ** Flange EN1092-1, DN100 PN40, with spring, form C / 316/316L
- HL** Flange EN1092-1, DN100 PN63, with spring, form C / 316/316L
- HM** Flange EN1092-1, DN100 PN100, with spring, form C / 316/316L
- HN** Flange EN1092-1, DN125 PN16, with spring, form C / 316/316L
- HP** Flange EN1092-1, DN125 PN40, with spring, form C / 316/316L
- HR** Flange EN1092-1, DN125 PN63, with spring, form C / 316/316L
- HT** Flange EN1092-1, DN150 PN16, with spring, form C / 316/316L
- HV** Flange EN1092-1, DN150 PN40, with spring, form C / 316/316L
- HY** Flange EN1092-1, DN150 PN63, with spring, form C / 316/316L
- H1** Flange EN1092-1, DN200 PN10, with spring, form C / 316/316L
- H3** Flange EN1092-1, DN200 PN16, with spring, form C / 316/316L
- I1** Flange EN1092-1, DN200 PN25, with spring, Form C / 316/316L
- H5** Flange EN1092-1, DN200 PN40, with spring, form C / 316/316L
- F7** Flange EN1092-1, DN50 PN40, with groove, form D / 316/316L
- HC** Flange EN1092-1, DN50 PN63, with groove, form D / 316/316L
- HE** Flange EN1092-1, DN80 PN40, with groove, form D / 316/316L
- HG** Flange EN1092-1, DN80 PN63, with groove, form D / 316/316L
- HI** Flange EN1092-1, DN100 PN16, with groove, form D / 316/316L



- HK** Flange EN1092-1, DN100 PN40, with groove, form D / 316/316L
- F5** Flange EN1092-1, DN100 PN63, with groove, form D / 316/316L
- ID** Flange EN1092-1, DN100 PN100, with groove, form D / 316/316L
- HO** Flange EN1092-1, DN125 PN16, with groove, form D / 316/316L
- HQ** Flange EN1092-1, DN125 PN40, with groove, form D / 316/316L
- HS** Flange EN1092-1, DN125 PN63, with groove, form D / 316/316L
- HU** Flange EN1092-1, DN150 PN16, with groove, form D / 316/316L
- HX** Flange EN1092-1, DN150 PN40, with groove, form D / 316/316L
- HZ** Flange EN1092-1, DN150 PN63, with groove, form D / 316/316L
- H2** Flange EN1092-1, DN200 PN10, with groove, form D / 316/316L
- H4** Flange EN1092-1, DN200 PN16, with groove, form D / 316/316L
- H6** Flange EN1092-1, DN200 PN40, with groove, form D / 316/316L
- D5** Flange EN1092-1, DN25 PN40, male, Form E / 316/316L
- RJ** Flange EN1092-1, DN50 PN6, male, Form E / 316/316L
- RK** Flange EN1092-1, DN50 PN16, male, Form E / 316/316L
- F1** Flange EN1092-1, DN50 PN40, male, Form E / 316/316L
- JP** Flange EN1092-1, DN50 PN100, male, Form E / Alloy C22 (2.4602)
- RL** Flange EN1092-1, DN65 PN40, male, Form E / 316/316L
- JQ** Flange EN1092-1, DN65 PN100, male, Form E / Alloy C22 (2.4602)
- RM** Flange EN1092-1, DN80 PN6, male, Form E / 316/316L
- F3** Flange EN1092-1, DN80 PN40, male, Form E / 316/316L
- JD** Flange EN1092-1, DN80 PN63, male, form E / 316/316L
- JR** Flange EN1092-1, DN80 PN100, male, Form E / Alloy C22 (2.4602)
- FK** Flange EN1092-1, DN100 PN6, male, Form E / 316/316L
- FM** Flange EN1092-1, DN100 PN16, male, Form E / 316/316L
- F6** Flange EN1092-1, DN100 PN40, male, Form E / 316/316L
- D2** Flange EN1092-1, DN100 PN63, male, Form E / 316/316L
- FQ** Flange EN1092-1, DN125 PN40, male, Form E / 316/316L
- FT** Flange EN1092-1, DN150 PN16, male, Form E / 316/316L
- FV** Flange EN1092-1, DN150 PN40, male, Form E / 316/316L
- IB** Flange EN1092-1, DN80 PN40, flat face, Form A / 316/316L
- IA** Flange EN1092-1, DN100 PN16, flat face, form A / 316/316L
- JO** Flange EN1092-1, DN100 PN100, Form L DIN2696 / 316/316L
- PA** Flange for bulk solids suitable for EN1092-1, DN80 PN6, flat face, Form A / 316/316L
- PB** Flange for bulk solids suitable for EN1092-1, DN80 PN16, flat face, Form A / 316/316L
- PC** Flange for bulk solids suitable for EN1092-1, DN100 PN6, flat face, Form A / 316/316L
- PD** Flange for bulk solids suitable for EN1092-1, DN100 PN16, flat face, Form A / 316/316L
- PE** Flange for bulk solids suitable for EN1092-1, DN100 PN40, flat face, Form A / 316/316L
- PW** Flange for bulk solids suitable for EN1092-1, DN125 PN16, flat face, form A / 316/316L
- PF** Flange for bulk solids suitable for EN1092-1, DN150 PN16, flat face, Form A / 316/316L
- P1** Flange for bulk solids suitable for EN1092-1, DN150 PN40, flat face, Form A / 316/316L
- PG** Flange for bulk solids suitable for EN1092-1, DN200 PN16, flat face, Form A / 316/316L
- PH** Flange for bulk solids suitable for EN1092-1, DN200 PN25, flat face, Form A / 316/316L
- PI** Flange for bulk solids suitable for EN1092-1, DN250 PN10, flat face, Form A / 316/316L
- PJ** Flange for bulk solids suitable for EN1092-1, DN250 PN16, flat face, Form A / 316/316L
- RN** Flange BS.10 2" Table D / 316/316L
- GC** Flange BS.10 2" Table E / 316/316L
- RO** Flange BS.10 2" Table F / 316/316L
- GD** Flange BS.10 3" Table E / 316/316L
- GE** Flange BS.10 3" Table F / 316/316L
- JB** Flange BS.10 4" Table D / 316/316L
- GF** Flange BS.10 4" Table E / 316/316L
- GG** Flange BS.10 5" Table D / 316/316L
- RP** Flange BS.10 5" Table E / 316/316L
- GH** Flange BS.10 6" Table E / 316/316L
- TZ** Flange ASME B16.5 NPS 1" Class 150 RF / 316/316L
- T1** Flange ASME B16.5 NPS 1" Class 300 RF / 316/316L
- T2** Flange ASME B16.5 NPS 1¼" Class 150 RF / 316/316L
- T3** Flange ASME B16.5 NPS 1¼" Class 300 RF / 316/316L
- TA** Flange ASME B16.5 NPS 1½" Class 150 RF / 316/316L
- T4** Flange ASME B16.5 NPS 1½" Class 150 RF / 316/316L
- T5** Flange ASME B16.5 NPS 1½" Class 300 RF / 316/316L
- GI** Flange ASME B16.5 NPS 2" Class 150 RF / 316/316L
- I3** Flange DN50 PN40, Form V13 DIN2501; with extension / 316/316L
- RR** Flange ASME B16.5 NPS 2" Class 150 RF / Alloy C22 (2.4602)
- JS** Flange ASME B16.5 NPS 2" Class 150 RF / 316/316L; Alloy C22 (2.4602) plated (Ra<0.8µm)
- RE** Flange ASME B16.5 NPS 2" Class 150 FF / 316/316L
- GJ** Flange ASME B16.5 NPS 2" Class 300 RF / 316/316L
- RS** Flange ASME B16.5 NPS 2" Class 300 RF / Alloy C22 (2.4602)
- IO** Flange ASME B16.5 NPS 2" Class 300 LM / 316/316L
- RT** Flange ASME B16.5 NPS 2" Class 600 RF / 316/316L
- IH** Flange ASME B16.5 NPS 2" Class 600 RF / Alloy C22 (2.4602)
- IG** Flange ASME B16.5 NPS 2" Class 900 RF / 316/316L
- JM** Flange ASME B16.5 NPS 2" Class 2500 RJF / 316/316L
- RU** Flange ASME B16.5 NPS 2½" Class 150 RF / 316/316L
- GK** Flange ASME B16.5 NPS 2½" Class 300 RF / 316/316L
- GL** Flange ASME B16.5 NPS 2½" Class 300 LM / 316/316L
- RV** Flange ASME B16.5 NPS 2½" Class 600 RF / 316/316L
- I2** Flange ASME B16.5 NPS 2½" Class 1500 RF / 316/316L
- GM** Flange ASME B16.5 NPS 3" Class 150 RF / 316/316L



- RX** Flange ASME B16.5 NPS 3" Class 150 RF / Alloy C22 (2.4602)
- RZ** Flange ASME B16.5 NPS 3" Class 150 FF / 316/316L
- GN** Flange ASME B16.5 NPS 3" Class 300 RF / 316/316L
- G9** Flange ASME B16.5 NPS 3" Class 300 RF / Alloy C22 (2.4602)
- IX** Flange ASME B16.5 NPS 3" Class 300 RF / 316/316L; Alloy C22 (2.4602) plated (Ra<0.8µm)
- R1** Flange ASME B16.5 NPS 3" Class 300 FF / 316/316L
- IV** Flange ASME B16.5 NPS 3" Class 300 ST / Alloy C22 (2.4602)
- I4** Flange ASME B16.5 NPS 3" Class 300 LT / 316/316L
- H7** Flange ASME B16.5 NPS 3" Class 300 LM / 316/316L
- IU** Flange ASME B16.5 NPS 3" Class 300 SG / 316/316L
- JF** Flange ASME B16.5 NPS 3" Class 300 LG / Alloy C22 (2.4602)
- HW** Flange ASME B16.5 NPS 3" Class 300 RF for pipes with inner diameter <77.9 mm / 316/316L
- RY** Flange ASME B16.5 NPS 3" Class 600 RF / 316/316L
- FC** Flange ASME B16.5 NPS 3" Class 600 RF / Alloy C22 (2.4602)
- JE** Flange ASME B16.5 NPS 3" Class 600 RJF / Alloy C22 (2.4602)
- IN** Flange ASME B16.5 NPS 3" Class 600 LT / 316/316L
- FO** Flange ASME B16.5 NPS 3" Class 900 RF / 316/316L
- F9** Flange ASME B16.5 NPS 3" Class 900 RF / Alloy C22 (2.4602)
- IW** Flange ASME B16.5 NPS 3" Class 900 RF / 316/316L; Alloy C22 (2.4602) plated (Ra<0.8µm)
- D8** Flange ASME B16.5 NPS 3" Class 900 RJF / 316/316L
- JI** Flange ASME B16.5 NPS 3" Class 1500 RF / 316/316L
- JT** Flange ASME B16.5 NPS 3" Class 1500 RJF / 316/316L
- GO** Flange ASME B16.5 NPS 3½" Class 150 RF / 316/316L
- GP** Flange ASME B16.5 NPS 4" Class 150 RF / 316/316L
- R3** Flange ASME B16.5 NPS 4" Class 150 RF / Duplex (1.4462)
- R6** Flange ASME B16.5 NPS 4" Class 150 RF / Alloy C22 (2.4602)
- JC** Flange ASME B16.5 NPS 4" Class 150 RF / 316/316L; Alloy C22 (2.4602) plated (Ra<0.8µm)
- R7** Flange ASME B16.5 NPS 4" Class 150 FF / 316/316L
- R8** Flange ASME B16.5 NPS 4" Class 150 FF / Alloy C22 (2.4602)
- IY** Flange ASME B16.5 NPS 4" Class 150 SG / 316/316L
- GQ** Flange ASME B16.5 NPS 4" Class 300 RF / 316/316L
- IM** Flange ASME B16.5 NPS 4" Class 300 RF / Duplex (1.4462)
- R9** Flange ASME B16.5 NPS 4" Class 300 RF / Alloy C22 (2.4602)
- IJ** Flange ASME B16.5 NPS 4" Class 300 FF / 316/316L
- JN** Flange ASME B16.5 NPS 4" Class 300 RJF / 316/316L
- JW** Flange ASME B16.5 NPS 4" Class 300 RJF / Alloy C22 (2.4602)
- I6** Flange ASME B16.5 NPS 4" Class 300 LT / 316/316L
- IF** Flange ASME B16.5 NPS 4" Class 300 LF / 316/316L
- IE** Flange ASME B16.5 NPS 4" Class 300 LM / 316/316L
- IZ** Flange ASME B16.5 NPS 4" Class 300 SG / 316/316L
- GR** Flange ASME B16.5 NPS 4" Class 600 RF / 316/316L
- IT** Flange ASME B16.5 NPS 4" Class 600 RJF / 316/316L
- GA** Flange ASME B16.5 NPS 4" Class 600 RJF / Alloy C22 (2.4602)
- IS** Flange ASME B16.5 NPS 4" Class 600 LT / 316/316L
- H8** Flange ASME B16.5 NPS 4" Class 900 RJF / 316/316L
- GX** Flange ASME B16.5 NPS 4" Class 900 SG / 316/316L
- JU** Flange ASME B16.5 NPS 4" Class 1500 RF / 316/316L
- GB** Flange ASME B16.5 NPS 4" Class 1500 RJF / Alloy C22 (2.4602)
- GS** Flange ASME B16.5 NPS 5" Class 150 RF / 316/316L
- GT** Flange ASME B16.5 NPS 5" Class 300 RF / 316/316L
- H9** Flange ASME B16.5 NPS 5" Class 900 RF / 316/316L
- GU** Flange ASME B16.5 NPS 6" Class 150 RF / 316/316L
- TJ** Flange ASME B16.5 NPS 6" Class 150 RF / Alloy C22 (2.4602)
- GV** Flange ASME B16.5 NPS 6" Class 300 RF / 316/316L
- IQ** Flange ASME B16.5 NPS 6" Class 300 LT / 316/316L
- TK** Flange ASME B16.5 NPS 6" Class 300 LM / 316/316L
- TU** Flange ASME B16.5 NPS 6" Class 600 RF / 316/316L
- IR** Flange ASME B16.5 NPS 6" Class 900 SG / 316/316L
- GW** Flange ASME B16.5 NPS 8" Class 150 RF / 316/316L
- GY** Flange ASME B16.5 NPS 8" Class 300 RF / 316/316L
- TL** Flange ASME B16.5 NPS 8" Class 300 RF / Alloy C22 (2.4602)
- IP** Flange ASME B16.5 NPS 8" Class 600 RF / 316/316L
- PK** Flange for bulk solids suitable for ASME B16.5, 3" 150lb, FF / 316/316L
- PL** Flange for bulk solids suitable for ASME B16.5, 3" 300lb, FF / 316/316L
- PM** Flange for bulk solids suitable for ASME B16.5, 4" 150lb, FF / 316/316L
- PN** Flange for bulk solids suitable for ASME B16.5, 4" 300lb, FF / 316/316L
- PO** Flange for bulk solids suitable for ASME B16.5, 6" 150lb, FF / 316/316L
- PX** Flange for bulk solids suitable for ASME B16.5, 6" 300lb, FF / 316/316L
- PP** Flange for bulk solids suitable for ASME B16.5, 8" 300lb, FF / 316/316L
- PQ** Flange for bulk solids suitable for ASME B16.5, 10" 300lb, FF / 316/316L
- T6** Flange JIS, DN25 5K RF / 316/316L
- T7** Flange JIS, DN25 16K RF / 316/316L
- T8** Flange JIS, DN32 5K RF / 316/316L
- T9** Flange JIS, DN32 16K RF / 316/316L
- UG** Flange JIS, DN40 5K RF / 316/316L
- UI** Flange JIS, DN40 10K RF / 316/316L
- UH** Flange JIS, DN40 16K RF / 316/316L
- GZ** Flange JIS, DN50 10K RF / 316/316L
- G1** Flange JIS, DN50 20K RF / 316/316L
- G2** Flange JIS, DN65 10K RF / 316/316L
- G3** Flange JIS, DN80 10K RF / 316/316L
- TM** Flange JIS, DN80 20K RF / 316/316L
- G4** Flange JIS, DN100 10K RF / 316/316L
- G5** Flange JIS, DN100 20K RF / 316/316L
- TO** Flange JIS, DN100 30K RF / 316/316L
- G8** Flange JIS, DN125 10K RF / 316/316L
- G6** Flange JIS, DN150 10K RF / 316/316L
- TN** Flange JIS, DN150 20K RF / 316/316L
- G7** Flange JIS, DN200 10K RF / 316/316L
- PR** Flange for bulk solids suitable for JIS, DN80 10K, FF / 316/316L



- PS** Flange for bulk solids suitable for JIS, DN100 5K, FF / 316/316L
- PT** Flange for bulk solids suitable for JIS, DN100 10K, FF / 316/316L
- PU** Flange for bulk solids suitable for JIS, DN150 10K, FF / 316/316L
- PV** Flange for bulk solids suitable for JIS, DN250 10K, FF / 316/316L
- TP** Flange GOST 33259-2015, DN50 PN40 Form E / 316/316L
- TQ** Flange GOST 33259-2015, DN80 PN40 Form E / 316/316L
- TR** Flange GOST 33259-2015, DN100 PN16 Form E / 316/316L
- TS** Flange GOST 33259-2015, DN100 PN40 Form E / 316/316L
- TT** Flange GOST 12815-80.2, DN150 PN40 / 316/316L
- JJ** Flange HG/T 20592-2009, DN50 PN100 RF / Alloy C22 (2.4602)
- JK** Flange HG/T 20592-2009, DN65 PN100 RF / Alloy C22 (2.4602)
- JL** Flange HG/T 20592-2009, DN80 PN100 RF / Alloy C22 (2.4602)
- IK** Flange HG/T 20592-2009, DN150 PN40 RF / 316/316L
- XX** universal, plastic horn antenna / PP/PBT
- XE** Thread DIN3852-A, G1½" PN3 / PVDF
- XF** Thread DIN3852-A, G¾" PN40 / 316/316L
- TE** Thread DIN3852-A, G¾" PN40 / Alloy C22 (2.4602) solid
- XG** Thread DIN3852-A, G1" PN40 / 316/316L
- TV** Thread DIN3852-A, G1" PN40 / Alloy C22 (2.4602) solid
- XA** Thread DIN3852-A, G1½" PN160 / 316/316L
- XB** Thread ASME B1.20.1, 1½NPT PN160 / 316/316L

Antenna version

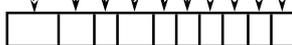
- L** with horn antenna (ø44mm)
- N** with horn antenna (ø48mm)
- D** with horn antenna (ø75mm)
- B** Plastic horn antenna
- T** with integrated antenna system
- F** Flange with encapsulated antenna system
- H** Hygienic fitting
- G** with horn antenna (ø21mm)
- K** with horn antenna (ø26mm)
- E** with horn antenna (ø95mm)
- I** with horn antenna (ø75mm) cast from 1.4848
- J** with horn antenna (ø95mm) cast from 1.4848
- U** with horn antenna (ø145mm)
- P** with horn antenna (ø195mm)
- Q** with horn antenna (ø240mm)
- X** for separate horn antenna
- X** for separate horn antenna

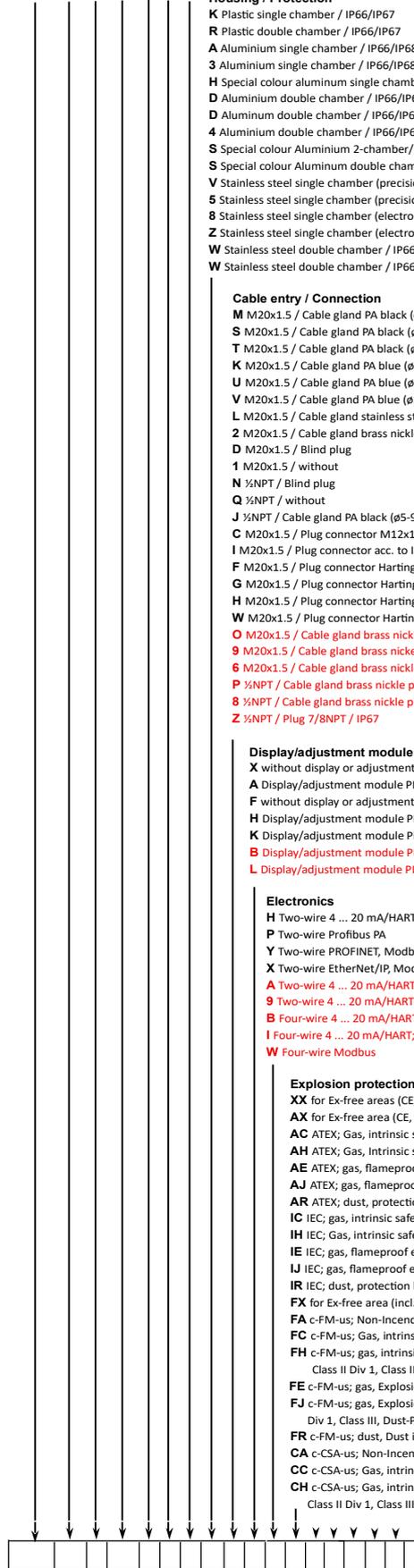
Additional equipment

- X** without
- 1** Antenna system DD-lacquered
- 6** Antenna electropolished
- 8** Antenna with Safecoat coating
- 4** Antenna extension single section
- 2** Antenna extension single section with additional rinsing connection G¾ (FKM)
- K** with rinsing connection
- L** with rinsing connection and antenna extension single section
- V** with rinsing connection and reflux valve
- M** with rinsing connection, reflux valve and antenna extension single section
- N** Device Norsok lacquered

Material / Seal / Process temperature

- AN** Ceramic / Graphite / -196...+450°C
- AA** PEEK / FKM (SHS FPM 70C3 GLT) / -40...+150°C
- AB** PEEK / FKM (SHS FPM 70C3 GLT) / -40...+200°C
- AC** PEEK / FFKM (Kalrez 6230) / -15...+150°C
- AD** PEEK / FFKM (Kalrez 6230) / -15...+250°C
- AE** PEEK / FFKM (Kalrez 6375) / -20...+150°C
- AF** PEEK / FFKM (Kalrez 6375) / -20...+250°C
- AG** PEEK / FFKM (Perlast G75B) / -15...+150°C
- AH** PEEK / FFKM (Perlast G75B) / -15...+250°C
- AJ** PEEK / FFKM (Perlast G74S) / -15...+150°C
- AK** PEEK / FFKM (Perlast G74S) / -15...+250°C
- AL** PEEK / EPDM (A+P 70.10-02) / -55...+150°C
- AL** PEEK / EPDM (COG AP302) / -40...+150°C
- AM** PVDF / FKM / -40...+80°C
- AN** Ceramic / Graphite / -196...+400°C
- AP** Ceramic / FKM (A+P 70.16-06) / -40...+150°C
- AQ** Ceramic / FFKM (Kalrez 6375) / -20...+250°C
- AR** Ceramic / FFKM (Perlast G75B) / -15...+250°C
- AS** Ceramic / EPDM (A+P 70.10-02) / -55...+150°C
- AT** PP / PP / -40...+80°C
- AU** PP / FKM (SHS FPM 70C3 GLT) / -40...+80°C
- AV** PP / EPDM (COG AP310) / -40...+80°C
- AW** PTFE / PTFE / -60...+150°C
- AX** PTFE / PTFE / -196...+200°C
- AY** PTFE (8mm) / PTFE / -60...+150°C
- AZ** PTFE (8mm) / PTFE / -196...+200°C
- A2** PFA (8mm) / PFA / -60...+150°C
- A3** PFA (8mm) / PFA / -60...+200°C
- A8** PEEK / 316L / -40...+150°C
- A6** PEEK / FKM (PPE V70SW) / -10...+150°C
- A7** PEEK / EPDM (Freudenberg 291) / -20...+150°C
- A9** PTFE / EPDM (Freudenberg 291) / -20...+150°C
- B1** PTFE / EPDM (Freudenberg 291) / -20...+150°C
- A1** PTFE / FFKM (Kalrez 6230) / -15...+150°C
- B2** PTFE / FFKM (Kalrez 6375) / -20...+150°C
- B3** PTFE / FFKM (Perlast G75B) / -15...+150°C





Housing / Protection

- K** Plastic single chamber / IP66/IP67
- R** Plastic double chamber / IP66/IP67
- A** Aluminium single chamber / IP66/IP68 (0.2bar)
- 3** Aluminium single chamber / IP66/IP68 (1bar)
- H** Special colour aluminium single chamber / IP66/IP68 (0.2 bar)
- D** Aluminium double chamber / IP66/IP68 (0.2bar)
- D** Aluminum double chamber / IP66/IP67 (only for four-wire electronics)
- 4** Aluminium double chamber / IP66/IP68 (1bar)
- S** Special colour Aluminium 2-chamber/ IP66/IP68 (0.2bar)
- S** Special colour Aluminum double chamber / IP66/IP67 (only for four-wire electronics)
- V** Stainless steel single chamber (precision casting) / IP66/IP68 (0.2 bar)
- 5** Stainless steel single chamber (precision casting) / IP66/IP68 (1bar)
- 8** Stainless steel single chamber (electropolished) / IP66/IP68 (0.2bar)
- Z** Stainless steel single chamber (electropolished) / IP66/IP68 (0.2 bar) / IP69
- W** Stainless steel double chamber / IP66/IP68 (0.2 bar)
- W** Stainless steel double chamber / IP66/IP67 (only for four-wire electronics)

Cable entry / Connection

- M** M20x1.5 / Cable gland PA black (ø5-9mm), standard
- S** M20x1.5 / Cable gland PA black (ø6-12mm)
- T** M20x1.5 / Cable gland PA black (ø10-14mm)
- K** M20x1.5 / Cable gland PA blue (ø5-9mm)
- U** M20x1.5 / Cable gland PA blue (ø6-12mm)
- V** M20x1.5 / Cable gland PA blue (ø10-14mm)
- L** M20x1.5 / Cable gland stainless steel (ø7-12mm)
- 2** M20x1.5 / Cable gland brass nickle-plated (ø5-9mm)
- D** M20x1.5 / Blind plug
- 1** M20x1.5 / without
- N** ½NPT / Blind plug
- Q** ½NPT / without
- J** ½NPT / Cable gland PA black (ø5-9mm)
- C** M20x1.5 / Plug connector M12x1
- I** M20x1.5 / Plug connector acc. to ISO4400 IP65
- F** M20x1.5 / Plug connector Harting HAN 7D (straight) / IP65
- G** M20x1.5 / Plug connector Harting HAN 7D (bent) / IP65
- H** M20x1.5 / Plug connector Harting HAN 8D (straight) / IP65
- W** M20x1.5 / Plug connector Harting HAN 8D (bent) / IP65
- O** M20x1.5 / Cable gland brass nickle plated (ø6-12mm)
- 9** M20x1.5 / Cable gland brass nickel-plated SFLU10-M (ø6-12mm)
- 6** M20x1.5 / Cable gland brass nickle plated; for shielded cable (ø9-13mm)
- P** ½NPT / Cable gland brass nickle plated (ø6-12mm)
- 8** ½NPT / Cable gland brass nickle plated; for shielded cable (ø9-13mm)
- Z** ½NPT / Plug 7/8NPT / IP67

Display/adjustment module PLICSCOM

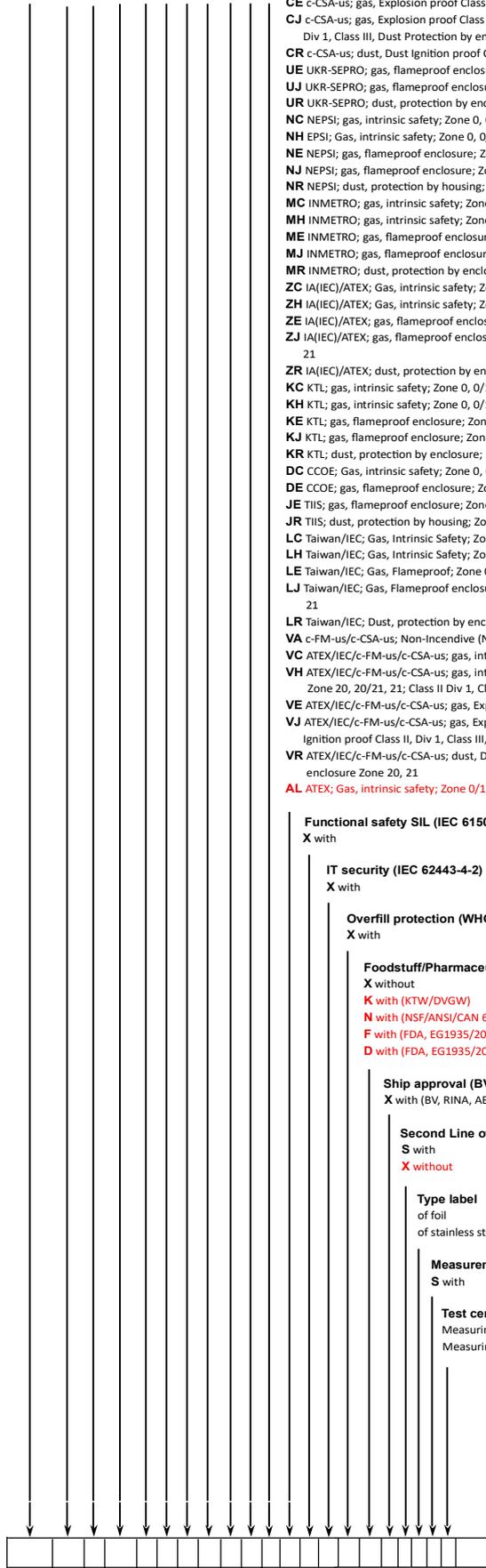
- X** without display or adjustment module, standard cover
- A** Display/adjustment module PLICSCOM
- F** without display or adjustment module, cover with inspection window
- H** Display/adjustment module PLICSCOM, with heating
- K** Display/adjustment module PLICSCOM, with Bluetooth
- B** Display/adjustment module PLICSCOM, laterally mounted
- L** Display/adjustment module PLICSCOM, laterally mounted; with Bluetooth

Electronics

- H** Two-wire 4 ... 20 mA/HART
- P** Two-wire Profibus PA
- Y** Two-wire PROFINET, Modbus TCP, OPC UA (Ethernet-APL)
- X** Two-wire EtherNet/IP, Modbus TCP, OPC UA (Ethernet-APL)
- A** Two-wire 4 ... 20 mA/HART with overvoltage protection (not for Ex Zone)
- 9** Two-wire 4 ... 20 mA/HART plus second current output 4 ... 20 Ma
- B** Four-wire 4 ... 20 mA/HART; 90 ... 253 V AC; 50/60 Hz
- I** Four-wire 4 ... 20 mA/HART; 9.6 ... 48 V DC; 20 ... 42 V AC
- W** Four-wire Modbus

Explosion protection

- XX** for Ex-free areas (CE, RCM); including Ordinary Location (c-FM-us, c-CSA)
- AX** for Ex-free area (CE, RCM)
- AC** ATEX; Gas, intrinsic safety; Zone 0, 0/1, 1
- AH** ATEX; Gas, intrinsic safety; Zone 0, 0/1, 1 + Dust, intrinsic safety; Zone 20, 20/21, 21
- AE** ATEX; gas, flameproof enclosure; Zone 0/1, 1st
- AJ** ATEX; gas, flameproof enclosure; Zone 0/1, 1 + dust, protection by enclosure; Zone 20, 20/21, 21
- AR** ATEX; dust, protection by enclosure; Zone 20, 20/21, 21
- IC** IEC; gas, intrinsic safety; Zone 0, 0/1, 1
- IH** IEC; Gas, intrinsic safety; Zone 0, 0/1, 1 + Dust, intrinsic safety; Zone 20, 20/21, 21
- IE** IEC; gas, flameproof enclosure; Zone 0/1, 1
- IJ** IEC; gas, flameproof enclosure; Zone 0/1, 1 + dust, protection by enclosure; Zone 20, 20/21, 21
- IR** IEC; dust, protection by enclosure; Zone 20, 20/21, 21
- FX** for Ex-free area (incl. Ordinary Location approval c-FM-us, c-CSA-us)
- FA** c-FM-us; Non-Incendive (NI) Class I, II, Div 2; Class III
- FC** c-FM-us; Gas, intrinsic safety; Zone 0, 0/1, 1; Class I Div 1
- FH** c-FM-us; gas, intrinsic safety; zone 0, 0/1, 1; Class I Div 1 + Dust, intrinsic safety; zone 20, 20/21, 21; Class II Div 1, Class III
- FE** c-FM-us; gas, Explosion proof Class I, Div 1, Flameproof Zone 0/1, 1
- FJ** c-FM-us; gas, Explosionproof Class I, Div 1, Flameproof Zone 0/1, 1 + dust, Dust-Ignition proof Class II, Div 1, Class III, Dust-Protection by enclosure Zone 20, 21, Non-Incendive (NI) Class I, II, Div 2
- FR** c-FM-us; dust, Dust ignition proof Class II, Div 1, Class III, Dust protection by enclosure Zone 20, 21
- CA** c-CSA-us; Non-Incendive (NI) Class I, II, Div 2; Class III
- CC** c-CSA-us; Gas, intrinsic safety; Zone 0, 0/1, 1; Class I Div 1
- CH** c-CSA-us; Gas, intrinsic safety; Zone 0, 0/1, 1; Class I Div 1 + Dust, intrinsic safety; Zone 20, 20/21, 21; Class II Div 1, Class III



- CE** c-CSA-us; gas, Explosion proof Class I, Div 1, Flameproof Zone 0/1, 1
- CJ** c-CSA-us; gas, Explosion proof Class I, Div 1, Flameproof Zone 0/1, 1, dust, Dust Ignition proof Class II, Div 1, Class III, Dust Protection by enclosure Zone 20, 21
- CR** c-CSA-us; dust, Dust Ignition proof Class II, Div 1, Class III, Dust Protection by enclosure Zone 20, 21
- UE** UKR-SEPRO; gas, flameproof enclosure; Zone 0/1, 1
- UJ** UKR-SEPRO; gas, flameproof enclosure; Zone 0/1, 1 + dust, protection by enclosure; Zone 20, 20/21, 21
- UR** UKR-SEPRO; dust, protection by enclosure; Zone 20, 20/21, 21
- NC** NEPSI; gas, intrinsic safety; Zone 0, 0/1, 1
- NH** EPSI; Gas, intrinsic safety; Zone 0, 0/1, 1 + dust, intrinsic safety; Zone 20, 20/21, 21
- NE** NEPSI; gas, flameproof enclosure; Zone 0/1, 1
- NJ** NEPSI; gas, flameproof enclosure; Zone 0/1, 1 + dust, protection by housing; Zone 20, 20/21, 21
- NR** NEPSI; dust, protection by housing; Zone 20, 20/21, 21
- MC** INMETRO; gas, intrinsic safety; Zone 0, 0/1, 1
- MH** INMETRO; gas, intrinsic safety; Zone 0, 0/1, 1 + dust, intrinsic safety; Zone 20, 20/21, 21
- ME** INMETRO; gas, flameproof enclosure; Zone 0/1, 1
- MJ** INMETRO; gas, flameproof enclosure; Zone 0/1, 1 + dust, protection by enclosure; Zone 20, 20/21, 21
- MR** INMETRO; dust, protection by enclosure; Zone 20, 20/21, 21
- ZC** IA(IEC)/ATEX; Gas, intrinsic safety; Zone 0, 0/1, 1
- ZH** IA(IEC)/ATEX; Gas, intrinsic safety; Zone 0, 0/1, 1 + dust, intrinsic safety; Zone 20, 20/21, 21
- ZE** IA(IEC)/ATEX; gas, flameproof enclosure; Zone 0/1, 1st
- ZJ** IA(IEC)/ATEX; gas, flameproof enclosure; Zone 0/1, 1 + dust, protection by enclosure; Zone 20, 20/21, 21
- ZR** IA(IEC)/ATEX; dust, protection by enclosure; Zone 20, 20/21, 21
- KC** KTL; gas, intrinsic safety; Zone 0, 0/1, 1
- KH** KTL; gas, intrinsic safety; Zone 0, 0/1, 1 + dust, intrinsic safety; Zone 20, 20/21, 21
- KE** KTL; gas, flameproof enclosure; Zone 0/1, 1
- KJ** KTL; gas, flameproof enclosure; Zone 0/1, 1 + dust, protection by enclosure; Zone 20, 20/21, 21
- KR** KTL; dust, protection by enclosure; Zone 20, 20/21, 21
- DC** CCOE; Gas, intrinsic safety; Zone 0, 0/1, 1
- DE** CCOE; gas, flameproof enclosure; Zone 0/1, 1
- JE** TIIS; gas, flameproof enclosure; Zone 1
- JR** TIIS; dust, protection by housing; Zone 20, 20/21, 21
- LC** Taiwan/IEC; Gas, Intrinsic Safety; Zone 0, 0/1, 1
- LH** Taiwan/IEC; Gas, Intrinsic Safety; Zone 0, 0/1, 1 + Dust, Intrinsic Safety; Zone 20, 20/21, 21
- LE** Taiwan/IEC; Gas, Flameproof; Zone 0/1, 1
- LJ** Taiwan/IEC; Gas, Flameproof enclosure; Zone 0/1, 1 + Dust, Protection by enclosure; Zone 20, 20/21, 21
- LR** Taiwan/IEC; Dust, protection by enclosure; Zone 20, 20/21, 21
- VA** c-FM-us/c-CSA-us; Non-Incendive (NI) Class I, II, Div 2
- VC** ATEX/IEC/c-FM-us/c-CSA-us; gas, intrinsic safety; Zone 0, 0/1, 1; Class I Div 1
- VH** ATEX/IEC/c-FM-us/c-CSA-us; gas, intrinsic safety; Zone 0, 0/1, 1; Class I Div 1 + dust, intrinsic safety; Zone 20, 20/21, 21; Class II Div 1, Class III
- VE** ATEX/IEC/c-FM-us/c-CSA-us; gas, Explosionproof Class I, Div 1, Flameproof Zone 0/1, 1
- VJ** ATEX/IEC/c-FM-us/c-CSA-us; gas, Explosionproof Class I, Div 1, Flameproof Zone 0/1, 1, dust, Dust-Ignition proof Class II, Div 1, Class III, Dust-Protection by enclosure Zone 20, 21
- VR** ATEX/IEC/c-FM-us/c-CSA-us; dust, Dust-Ignitionproof Class II, Div 1, Class III, Dust-Protection by enclosure Zone 20, 21
- AL** ATEX; Gas, intrinsic safety; Zone 0/1, 1; in preparation: UKEX

Functional safety SIL (IEC 61508)

X with

IT security (IEC 62443-4-2)

X with

Overfill protection (WHG/VLAREM/KVU)

X with

Foodstuff/Pharmaceutical certificate

X without

K with (KTW/DVGW)

N with (NSF/ANSI/CAN 61)

F with (FDA, EG1935/2004)

D with (FDA, EG1935/2004, EHEDG, 3A)

Ship approval (BV, RINA, ABS, DNV, CCS, ClassNK, LR, KR)

X with (BV, RINA, ABS, DNV, CCS, ClassNK, LR, KR)

Second Line of Defense

S with

X without

Type label

of foil
of stainless steel

Measurement loop identification label

S with

Test certificate

Measuring accuracy (5 measuring points)
Measuring accuracy (3 measurement points)