



# Certificate of Compliance

**Certificate:** 1507580 (023257\_0\_000)

**Master Contract:** 153857

**Project:** 70215796

**Date Issued:** 2019-07-29

**Issued To:** Vega Grieshaber KG  
Am Hohenstein 113  
Schiltach, Baden-Württemberg, 77761  
Germany

**Attention:** Sebastian Schaller

*The products listed below are eligible to bear the CSA Mark shown*



**Issued by:** *Bhas Nanavati*  
Bhas Nanavati

## PRODUCTS

**CLASS 2258 02**- PROCESS CONTROL EQUIPMENT - For Hazardous Locations

**Class I Division 2 Groups A, B, C, and D; T6...T1\***  
**Ex nA IIC T6...T1\* Gc**

T6...T1\* = Refer to Safety Instruction Drawing No. 39088 and 62288 for process temperatures and corresponding ambient temperature.

VEGAPULS 60 Series radar sensors for continuous measurement instrumentation. Uses a high/low frequency pulse in the 6GHz (Low Frequency) to 26 GHz (High Frequency, K-Band).; Enclosure type 4X, IP66 (6P for housing option K, V or 8); Dual Seal (for housing option "D", "S" and "W" only).

The following ratings are applicable to all VEGAPULS models when used in Class I Division 2:

HART Models: 4-20 mA, 9.6-36 Vdc

PROFIBUS / Fieldbus Models: 10 mA  $\pm$  5 mA, 12-32 Vdc

MODBUS: 8-30 Vdc





**Certificate:** 70215796  
**Project:** 70215796

**Master Contract:** 153857  
**Date Issued:** 2019-07-29

- Model VEGAPULS 61, 61Y Kabcdefg Maximum working pressure 43.5 psi where
  - a = Protection Type (F, G or X)
  - b = Antenna version (A or B)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Electronics (7, 8, D, E, F, H, K, L, P, V, B, G, M or I)
  - e = Housing (A, D, S, V, W, 8, 3, 5, Y, or Q)
  - f = Cable entry: (M, J, N or Z)
  - g = Indicator control module: (A, B, H, F, K, L, or X)
  
- Model VEGAPULS 62, 62Y Kabcdefghi Maximum working pressure 2320 psi where
  - a = Protection Type (F, G or X)
  - b = Antenna version (B, R, C, S, D, M, N, E, O, K, F, G, X, Z, W, P, J, U, T, H, I or V)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Seal/Process temperature (2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F or H).
  - e = Electronics (7, 8, D, E, F, H, K, L, P, V, B, G, M or I)
  - f = Housing (A, D, S, V, W, 8, 3, 5, Y, or Q)
  - g = Cable entry: (M, J, N or Z)
  - h = Indicator control module: (A, B, H, F, K, L, or X)
  - i = Additional Equipment (X, 1, 5, K, N, L, V, W or M)
  
- Model VEGAPULS 63, 63Y Kabcdefg Maximum working pressure 232 psi where
  - a = Protection Type (F, G or X)
  - b = Antenna version (A, B, C, D, E, F, K, O, P, T, V, G, H, I, N, R, L or M).
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Electronics (7, 8, D, E, F, H, K, L, P, V, B, G, M or I)
  - e = Housing (A, D, S, V, W, 8, 3, 5, Y, or Q)
  - f = Cable entry: (M, J, N or Z)
  - g = Indicator control module: (A, B, H, F, K, L, or X)
  
- Model VEGAPULS 65, 65Y Kabcdefg Maximum working pressure 232 psi where
  - a = Protection Type (F, G or X)
  - b = Antenna version (K, L, M)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Electronics (7, F, H, P, V, B or I)
  - e = Housing (A, D, S, V, W, 8, 3, 5, Y, or Q)
  - f = Cable entry: (M, J, N or Z)



**Certificate:** 70215796  
**Project:** 70215796

**Master Contract:** 153857  
**Date Issued:** 2019-07-29

- g = Indicator control module: (A, B, H, F, K, L, or X)
- Model VEGAPULS 66, 66Y Kabcdefghi Maximum working pressure 2320 psi where
    - a = Protection Type (F, G or X)
    - b = Antenna version (A, D, N, E, O, H, K, L, Q, I, J, F, G, X, Y, Z, R, W or I)
    - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
    - d = Seal/Process temperature (1, 2, 3, 4, 5, 6, G or H)
    - e = Electronics (7, F, H, P, V, B or I)
    - f = Housing (A, D, S, V, W, 8, 3, 5, Y, or, Q)
    - g = Cable entry: (M, J, N or Z)
    - h = Indicator control module: (A, B, H, F, K, L, or X)
    - i = Additional Equipment (X, K, L, V, M, I, W or R)
  - Model VEGAPULS 67, 67Y Kabcdefg Maximum working pressure 43.5 psi where
    - a = Protection Type (F, G or X)
    - b = Antenna version (B) where “B” is a 80mm antenna
    - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
    - d = Electronics (7, F, H, P, V, B or I)
    - e = Housing (A, D, S, V, W, 8, 3, 5, Y, or Q)
    - f = Cable entry: (M, J, N or Z)
    - g = Indicator control module: (A, B, H, F, K, L, or X)
  - Model VEGAPULS 68, 68Y Kabcdefghi Maximum working pressure 2320 psi where
    - a = Protection Type (F, G or X)
    - b = Antenna version (B, C, D, E, F, K, N, O, P, R, S, T, U, X, J, H or I)
    - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
    - d = Seal/Process temperature (A, C, E, F, H, 2, 3, 4, 5, 6, 7, 8 or 9)
    - e = Electronics (7, F, H, P, V, B or I)
    - f = Housing (A, D, S, V, W, 8, 3, 5, Y, or Q)
    - g = Cable entry: (M, J, N or Z)
    - h = Indicator control module: (A, B, H, F, K, L, or X)
    - i = Additional Equipment (X, 1, 5, K, N, L, V, W or M)
  - Model VEGAPULS SR 68, 68Y Kabcdefghi Maximum working pressure 2320 psi where
    - a = Protection Type (F, G or X)
    - b = Antenna version (B, C, D, E, F, K, N, O, P, R, S, T, U, X, J, H or I)



**Certificate:** 70215796  
**Project:** 70215796

**Master Contract:** 153857  
**Date Issued:** 2019-07-29

- c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
- d = Seal/Process temperature (A, C, E, F, H, 2, 3, 4, 5, 6, 7, 8 or 9)
- e = Electronics (F, H, P, V, 7, B or I)
- f = Housing (A, D, S, V, W, 8, 3, 5, Y, or Q)
- g = Cable entry: (M, J, N or Z)
- h = Indicator control module: (A, B, H, F, K, L, or X)
- i = Additional Equipment (X, 1, 5, K, N, L, V, W or M)

**Class II, Division 1, Groups E, F and G;**  
**Class II, Division 2, Groups F and G;**  
**Class III**

Refer to Safety Instruction Drawing Nos. 37779, 37780, 39088, 62105, 62113, and 62288 for process temperatures and corresponding ambient temperature.

VEGAPULS 60 Series radar sensors; Enclosure type 4X, IP66 (6P for housing option K, V or 8); Dual Seal (for housing option "D", "S" and "W" only). Rated: 4-20 mA, 9.6-36 Vdc (Hart) or 10 mA  $\pm$  5 mA, 12-32 Vdc (Profibus/Fieldbus)

- Model VEGAPULS 61, 61Y Kabcdefg Maximum working pressure 43.5 psi where
  - a = Protection Type R
  - b = Antenna version (A or B)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Electronics (7, 8, D, E, F, H, K, L, P, V, B, G, M or I)
  - e = Housing (A, D H, S, V or W)
  - f = Cable entry: (M, J, N or Z)
  - g = Indicator control module: (A, B, F, K, L, or X)
- Model VEGAPULS 62, 62Y Kabcdefghi Maximum working pressure 2320 psi where
  - a = Protection Type (R)
  - b = Antenna version (B, R, C, S, D, M, N, E, O, K, F, G, X, Z, W, P, J, U, T, H, I or V)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Seal/Process temperature (2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F or H)
  - e = Electronics (7, 8, D, E, F, H, K, L, P, V, B, G, M or I)
  - f = Housing (A, D, H, S, V or W)
  - g = Cable entry: (M, J, N or Z)
  - h = Indicator control module: (A, B, F, K, L, or X)
  - i = Additional Equipment (X, 1, 5, K, N, L, V, W or M)



**Certificate:** 70215796  
**Project:** 70215796

**Master Contract:** 153857  
**Date Issued:** 2019-07-29

- Model VEGAPULS 63, 63Y Kabcdefg Maximum working pressure 232 psi where
  - a = Protection Type (R)
  - b = Antenna version (A, B, C, D, E, F, K, O, P, T, V, G, H, I, N, R, L or M).
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Electronics (7, 8, D, E, F, H, K, L, P, V, B, G, M or I)
  - e = Housing (A, D, H, S, V or W)
  - f = Cable entry: (M, J, N or Z)
  - g = Indicator control module: (A, B, F, K, L, or X)
  
- Model VEGAPULS 65, 65Y Kabcdefg Maximum working pressure 232 psi where
  - a = Protection Type (R)
  - b = Antenna version (K, L, M)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Electronics (7, F, H, P, V, B or I)
  - e = Housing (A, D, H, S, V or W)
  - f = Cable entry: (M, J, N or Z)
  - g = Indicator control module: (A, B, F, K, L, or X)
  
- Model VEGAPULS 66, 66Y Kabcdefghi Maximum working pressure 2320 psi where
  - a = Protection Type (R)
  - b = Antenna version (A, D, N, E, O, H, K, L, Q, I, J, F, G, X, Y, Z, R, W or I)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Seal/Process temperature (1, 2, 3, 4, 5, 6, G or H)
  - e = Electronics (7, F, H, P, V, B or I)
  - f = Housing (A, D, H, S, V or W)
  - g = Cable entry: (M, J, N or Z)
  - h = Indicator control module: (A, B, F, K, L, or X)
  - i = Additional Equipment (X, K, N, L, V, M, W, R or I)
  
- Model VEGAPULS 67, 67Y Kabcdefg Maximum working pressure 43.5 psi where
  - a = Protection Type (R)
  - b = Antenna version (B), where “B” is a 80mm antenna
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Electronics (7, F, H, P, V, B or I)
  - e = Housing (A, D, H, S, V or W)
  - f = Cable entry: (M, J, N or Z)



**Certificate:** 70215796  
**Project:** 70215796

**Master Contract:** 153857  
**Date Issued:** 2019-07-29

- g = Indicator control module: (A, B, F, K, L, or X)
- Model VEGAPULS 68, 68Y Kabcdefghi Maximum working pressure 2320 psi where
    - a = Protection Type (R)
    - b = Antenna version (B, C, D, E, F, K, N, O, P, R, S, T, U, X, J, H or I)
    - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
    - d = Seal/Process temperature (A, C, E, F, H, 2, 3, 4, 5, 6, 7, 8 or 9)
    - e = Electronics (7, F, H, P, V, B or I)
    - f = Housing (A, D, H, S, V or W)
    - g = Cable entry: (M, J, N or Z)
    - h = Indicator control module: (A, B, F, K, L, or X)
    - i = Additional Equipment (X, 1, 5, K, N, L, V, W or M)
  - Model VEGAPULS SR 68, 68Y Kabcdefghi Maximum working pressure 2320 psi where
    - a = Protection Type (R)
    - b = Antenna version (B, C, D, E, F, K, N, O, P, R, S, T, U, X, J, H or I)
    - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
    - d = Seal/Process temperature (A, C, E, F, H, 2, 3, 4, 5, 6, 7, 8 or 9)
    - e = Electronics (F, H, P, V, 7, B or I)
    - f = Housing (A, D, H, S, V or W)
    - g = Cable entry: (M, J, N or Z)
    - h = Indicator control module: (A, B, F, K, L, or X)
    - i = Additional Equipment (X, 1, 5, K, N, L, V, W or M)

**CLASS 2258 04**- PROCESS CONTROL EQUIPMENT – Intrinsically Safe, Entity – For Hazardous Locations

**Class I Division 1 Groups A, B, C, and D; Class II Division 1 Groups E, F, and G; Class III; T6...T1\*  
Ex ia IIC T6...T1\* Ga, Gb, Gc**

T6...T1\* = Refer to Safety Instruction Drawing No. 37779 and 62105 for process temperatures and corresponding ambient temperature.

VEGAPULS 60 Series radar sensors for continuous measurement instrumentation. Uses a high/low frequency pulse in the 6GHz (Low Frequency) to 26 GHz (High Frequency, K-Band); Enclosure type 4X, IP66 (6P for housing option K, V or 8); Dual Seal (for housing option “D”, “S” or “W” only).

Intrinsically safe when installed per drawing GE2707 and used with the entity parameters listed below.

Hart – Electronics Option H:  $V_{max} = 30\text{ V}$ ,  $I_{max} = 131\text{ mA}$ ,  $P_i = 983\text{ mW}$ ,  $C_i = 0\text{ uF}$ ,  $L_i = 5\text{ uH}$



**Certificate:** 70215796  
**Project:** 70215796

**Master Contract:** 153857  
**Date Issued:** 2019-07-29

Profibus/Fieldbus - Electronics Option P/F:  $V_{max} = 24 \text{ V}$ ,  $I_{max} = 250 \text{ mA}$ ,  $P_i = 1.2\text{W}$ ,  $C_i = 0 \text{ uF}$ ,  $L_i = 5 \text{ }\mu\text{H}$

FISCO Field Device parameters:  $U_i = 17.5\text{V}$ ,  $I_i = 500\text{mA}$ ,  $P_i = 5.5\text{W}$ ,  $C_i = 0 \text{ uF}$ ,  $L_i = 5 \text{ }\mu\text{H}$

Supply Voltage 8 ... 32 V DC for VEGAPULS 60 with 4-Wire Barrier ModBus (Supplementary Electronics PLICSZE-MB)

- Model VEGAPULS 61, 61Y KFbcdefg Maximum working pressure 43.5 psi where
  - K = CSA Certified
  - F = Intrinsic Safety
  - b = Antenna version (A or B)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Electronics (E, F, H, K, L, P or D)
  - e = Housing (A, D, S, V, W, 8, 3, 5, Y, or Q)
  - f = Cable entry: (M, J, N or Z)
  - g = Indicator control module: (A, B, F, K, L, or X)
- Model VEGAPULS 62, 62Y KFbcdefghi Maximum working pressure 2320 psi where
  - K = CSA Certified
  - F = Intrinsic Safety
  - b = Antenna version (B, R, C, S, D, M, N, E, O, K, F, G, X, Z, W, P, J, U, T, H, I or V)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Seal/Process temperature (A, C, E, F, H, 2, 3, 4, 5, 6, 7, 8, 9, B or D).
  - e = Electronics (E, F, H, K, L, P or D)
  - f = Housing (A, D, S, V, W, 8, 3, 5, Y, or Q)
  - g = Cable entry: (M, J, N or Z)
  - h = Indicator control module: (A, B, F, K, L, or X)
  - i = Additional Equipment (X, 1, 5, K, N, L, V, W or M)
- Model VEGAPULS 63, 63Y KFbcdefg Maximum working pressure 232 psi where
  - K = CSA Certified
  - F = Intrinsic Safety
  - b = Antenna version (A, B, C, D, E, F, K, O, P, T, V, G, H, I, N, R, L or M).
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Electronics (E, F, H, K, L, P or D)
  - e = Housing (A, D, S, V, W, 8, 3, 5, Y, or Q)
  - f = Cable entry: (M, J, N or Z)
  - g = Indicator control module: (A, B, F, K, L, or X)



**Certificate:** 70215796  
**Project:** 70215796

**Master Contract:** 153857  
**Date Issued:** 2019-07-29

- Model VEGAPULS 65, 65Y KFbcdefg Maximum working pressure 232 psi where
  - K = CSA Certified
  - F = Intrinsic Safety
  - b = Antenna version (K, L, M)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Electronics (F, H or P)
  - e = Housing (A, D, S, V, W, 8, 3, 5, Y, or Q)
  - f = Cable entry: (M, J, N or Z)
  - g = Indicator control module: (A, B, F, K, L, or X)
- Model VEGAPULS 66, 66Y KFbcdefghi Maximum working pressure 2320 psi where
  - K = CSA Certified
  - F = Intrinsic Safety
  - b = Antenna version (A, D, N, E, O, H, K, L, Q, I, J, F, G, X, Y, Z, R, W or I)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Seal/Process temperature (1, 2, 3, 4, 5, 6, G or H)
  - e = Electronics (F, H or P)
  - f = Housing (A, D, S, V, W, 8, 3, 5, Y, or Q)
  - g = Cable entry: (M, J, N or Z)
  - h = Indicator control module: (A, B, F, K, L, or X)
  - i = Additional Equipment (X, 5, K, N, L, V, M, W, R or 1)
- Model VEGAPULS 67, 67Y KFabcdefg Maximum working pressure 43.5 psi where
  - a = Protection Type F Intrinsic Safety
  - b = Antenna version (B) where “B” is a 80mm antenna
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Electronics (F, H or P)
  - e = Housing (A, D, S, V, W, 8, 3, 5, Y, or Q)
  - f = Cable entry: (M, J, N or Z)
  - g = Indicator control module: (A, B, F, K, L, or X)
- Model VEGAPULS 68, 68Y KFbcdefghi Maximum working pressure 2320 psi where
  - b = Antenna version (B, C, D, E, F, K, N, O, P, R, S, T, U, X, J, H or I)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Seal/Process temperature (A, C, E, F, H, 2, 3, 4, 5, 6, 7, 8 or 9)
  - e = Electronics (F, H or P)





**Certificate:** 70215796  
**Project:** 70215796

**Master Contract:** 153857  
**Date Issued:** 2019-07-29

- f = Housing (A, D, S, V, W, 8, 3, 5, Y, or Q)
- g = Cable entry: (M, J, N or Z)
- h = Indicator control module: (A, B, F, K, L, or X)
- i = Additional Equipment (X, 1, 5, K, N, L, V, W or M)

- Model VEGAPULS SR 68, 68Y KFbdefghi Maximum working pressure 2320 psi where
  - b = Antenna version (B, C, D, E, F, K, N, O, P, R, S, T, U, X, J, H or I)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Seal/Process temperature (A, C, E, F, H, 2, 3, 4, 5, 6, 7, 8 or 9)
  - e = Electronics (F, H or P)
  - f = Housing (A, D, S, V, W, 8, 3, 5, Y, or Q)
  - g = Cable entry: (M, J, N or Z)
  - h = Indicator control module: (A, B, F, K, L, or X)
  - i = Additional Equipment (X, 1, 5, K, N, L, V, W or M)

**CLASS 2258 02-** PROCESS CONTROL EQUIPMENT - For Hazardous Locations

**Class I, Div I, Group A, B, C, D; Class II, Div I, Group E, F, G; Class III  
Ex d ia IIC T6...T1\* Ga/Gb, Gb**

Refer to Safety Instruction Drawing No. 37780 and 62113 for process temperatures and corresponding ambient temperature.

VEGAPULS 60 Series radar sensors; Enclosure type 4X, IP66 (6P for housing option K, V or 8); Dual Seal (for housing option "D", "S" or "W" only).

Explosion proof/Intrinsically Safe for connection of a CSA approved external indicating and adjustment unit VEGADISH61 in accordance with control drawing GE2726.

The maximum cable length allowed between the radar VEGAPULS and external display unit VEGADISH61 is 50m. L cable  $\leq 310 \mu\text{H}$  and C cable  $\leq 2\mu\text{F}$

- Model VEGAPULS 61, 61Y KGbdefg Maximum working pressure 43.5 psi, where:
  - b = Antenna version (A or B)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Electronics (7, 8, D, E, F, H, K, L, P, V, B, G, I or M)
  - e = Housing (D, S, W, Y or Q)
  - f = Cable entry: (J, Z, M or N)
  - g = Indicator control module: (A, F, K, or X)



**Certificate:** 70215796  
**Project:** 70215796

**Master Contract:** 153857  
**Date Issued:** 2019-07-29

- Model VEGAPULS 62, 62Y KGbdefghi Maximum working pressure 2320 psi, where:
  - b = Antenna version (B, R, C, S, D, M, N, E, O, K, F, G, X, Z, W, P, J, U, T, H, I or V)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Seal/Process temperature (A, C, E, F, H, 2, 3, 4, 5, 6, 7, 8, 9, B or D)
  - e = Electronics (7, 8, D, E, F, H, K, L, P, V, B, G, I or M)
  - f = Housing (D, S, W, Y or Q)
  - g = Cable entry: (J, Z, M or N)
  - h = Indicator control module: (A, F, K, or X)
  - i = Additional Equipment (X, 1, 5, K, N, L, V, W or M)
  
- Model VEGAPULS 63, 63Y KGbdefg Maximum working pressure 232 psi, where:
  - b = Antenna version (A, B, C, D, E, F, K, O, P, T, V, G, H, I, N, R, L or M).
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Electronics (7, 8, D, E, F, H, K, L, P, V, B, I, G or M)
  - e = Housing (D, W, S, Y or Q)
  - f = Cable entry: (J, Z, M or N)
  - g = Indicator control module: (A, F, K, or X)
  
- Model VEGAPULS 65, 65Y KGbdefg Maximum working pressure 232 psi where
  - b = Antenna version (K, L, M)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Electronics (7, F, H, P, V, B or I)
  - e = Housing (D, S, W, Y or Q)
  - f = Cable entry: (J, Z, M or N)
  - g = Indicator control module: (A, F, K, or X)
  
- Model VEGAPULS 66, 66Y KGbdefghi Maximum working pressure 2320 psi where
  - b = Antenna version (A, D, N, E, O, H, K, L, Q, I, J, F, G, X, Y, Z, R, W or 1)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Seal/Process temperature (1, 2, 3, 4, 5, 6, G or H)
  - e = Electronics (7, F, H, P, V, B or I)
  - f = Housing (D, S, W, Y or Q)
  - g = Cable entry: (J, Z, M or N)
  - h = Indicator control module: (A, F, K, or X)
  - i = Additional Equipment (X, K, N, L, V, M, W, R or 1)



**Certificate:** 70215796  
**Project:** 70215796

**Master Contract:** 153857  
**Date Issued:** 2019-07-29

- Model VEGAPULS 67, 67Y KGbdefg Maximum working pressure 43.5 psi where
  - b = Antenna version (B) where “B” is a 80mm antenna
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Electronics (7, F, H, P, V, B or I)
  - e = Housing (D, S, W, Y or Q)
  - f = Cable entry: (J, Z, M or N)
  - g = Indicator control module: (A, F, K, or X)
  
- Model VEGAPULS 68, 68Y KGbdefghi Maximum working pressure 2320 psi where
  - b = Antenna version (B, C, D, E, F, K, N, O, P, R, S, T, U, X, J, H or I)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Seal/Process temperature (A, C, E, F, H, 2, 3, 4, 5, 6, 7, 8 or 9)
  - e = Electronics (7, F, H, P, V, B or I)
  - f = Housing (D, S, W, Y or Q)
  - g = Cable entry: (J, Z, M or N)
  - h = Indicator control module: (A, F, K, or X)
  - i = Additional Equipment (X, 1, 5, K, N, L, V, W or M)
  
- Model VEGAPULS SR68, 68Y KGbdefghi Maximum working pressure 2320 psi where
  - b = Antenna version (B, C, D, E, F, K, N, O, P, R, S, T, U, X, J, H or I)
  - c = process connection: two digit alphanumeric variable for connections, which represents a LA, NPT, G, TRICLAMP, DN or ASME industry type process connection / flange with pressure ratings.
  - d = Seal/Process temperature (A, C, E, F, H, 2, 3, 4, 5, 6, 7, 8 or 9)
  - e = Electronics (F, H, P, V, B, I or 7)
  - f = Housing (D, S, W, Y or Q)
  - g = Cable entry: (J, Z, M or N)
  - h = Indicator control module: (A, F, K, or X)
  - i = Additional Equipment (X, 1, 5, K, N, L, V, W or M)



**Certificate:** 70215796  
**Project:** 70215796

**Master Contract:** 153857  
**Date Issued:** 2019-07-29

### APPLICABLE REQUIREMENTS

CSA C22.2 No. 0-10	- General Requirements – Canadian Electrical Code, Part II
CSA C22.2 No 0.4-M1982 (R 2006)	- Bonding and Grounding of Electrical Equipment (Protective Grounding)
CSA C22.2 No 25-1966 (R 2004)	- Enclosures for Use in Class II Groups E, F and G Hazardous Locations
CSA C22.2 No 30-M1986 (R 2003)	- Explosion-Proof Enclosures for Use in Class Hazardous Locations
CSA C22.2 No 94-M91 (R 2006)	- Special Purpose Enclosures
CSA C22.2 No 142-M1987 (R 2004)	- Process Control Equipment
CSA C22.2 No 157-92 (R 2006)	- Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
CSA C22.2 No 213-M1987 (R 2004)	- Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
CSA C22.2 No. 60079-0-11	- Explosive atmospheres – Part 0: Equipment – General requirements- Second Edition
CSA C22.2 No. 60079-1-11	- Explosive atmospheres – Part 1: Equipment protection by flameproof enclosures “d” – Second Edition
CSA C22.2 No. 60079-15-10	- Electrical apparatus for explosive gas atmospheres – Part 15: Construction, test and marking of type of protection “n” electrical apparatus
CSA C22.2 No. 60079-11-6	- Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic safety “i”.
IEC 60079-27: 2005	- Electrical apparatus for explosive gas atmosphere Part27: Fieldbus intrinsically safe concept (FISCO) and Fieldbus non-incendive concept (FNICO) – Edition 1 (used as a guide)
ANSI/ISA-12.27.01: 2003	- Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids



**Certificate:** 70215796  
**Project:** 70215796

**Master Contract:** 153857  
**Date Issued:** 2019-07-29

## MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown without an indicator for Canada only (indicating that products have been manufactured to the requirements of Canadian Standards).

- CSA monogram.
- Submitter's identification;
- Model designation or equivalent;
- Complete electrical rating;
- Temperature code T4;
- Maximum Working Pressure
- Enclosure Type 4X
- Dual Seal (for housing option "D" and "W" only)
- Maximum ambient temperature 60°C
- Entity parameters (For Class I, Division 1 product);
- Applicable hazardous locations designation;
- FISCO field device markings
- Date code or equivalent;
- Cautions, warnings and additional markings as may be required;
  - "WARNING - SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2 AND INTRINSIC SAFETY"
  - "WARNING - OPEN CIRCUIT BEFORE REMOVING COVER or KEEP COVERS TIGHT WHILE CIRCUITS ARE ALIVE."

## REQUIRED METHOD OF MARKING

The marking shall be permanent, such as a 0.5 mm thick metal nameplate secured by drive pins or screws in bottomed holes, cast, etched or engraved, or CSA Accepted adhesive nameplates.



## Supplement to Certificate of Compliance

**Certificate:** 1507580 (023257\_0\_000)

**Master Contract:** 153857

*The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.*

### Product Certification History

Project	Date	Description
70215796	2019-07-29	Update of CSA Certificate and Descriptive Report 1507580 for HAZLOC certification of VEGAPULS 60 Series for North America. Addition of PLICSCOM3 assessed under Custom Testing Service Test Report No. 153857-70160903 to the CSA Test Report 1507580. Thermal data adjustments to accommodate PLICSCOM3 temperature rise. Deletion of plastic housing from the model code. Addition and reference to CSA Safety Instructions.
70052228	2016-01-28	Update to the report to modify model code, separate NI (Class I Division 2) from DIP (Class I Division 1, 2, Class III) and no product modification.
2747967	2014-08-29	Update to report 1507580 to Modify module PLICSZEMB (electronics M) to revision.-04.
2716431	2014-06-24	Update to add Yokogawa as a trade name, includes new label drawings, model designation and zone ratings.
2575716	2013-03-13	Update to include intrinsically safe barriers, flameproof housings, model code listing and correct typo in listing.
2564983	2013-03-06	Update to report 1507580 to add the Modbus electronics to the VEGAPULS listing.
2314172	2010-11-25	Update of Report 1507580 to include PLICS PLUS version of the Foundation Fieldbus and Profibus PA electronics.
2241778	2010-06-15	Update of Report 1507580 to include updated Hart 2 and 4 wire electronics along with mechanical changes and new model PULS 68 called the SR 68.
2167626	2009-06-01	Update of Report 1507580 to include revised drawings.
2046869	2008-06-13	Update Report 1507580 to include Dual Seal Marking per ISA 12.27.01.
1965036	2007-11-15	Revised construction
1901613	2007-07-15	Revised construction
1880600	2007-06-07	Revise report to add new models VEGAPULS 61, 62, 63 and 67 "increased sensitivity"
1817998	2007-01-26	Update Report 1507580 to add FISCO evaluation
1795928	2006-06-01	Update Report 1507580 to allow alternate antenna and construction.



1793839	2006-05-12	Update Report 1507580 to add PULS68 electronics to PULS 61, 62, 63
1709418	2005-09-06	Update Report 1507580 to include VEGAPULS 68
1703878	2005-08-16	Update Report 1507580 to allow 150 °C process temperature.
1638439	2005-08-09	Update Report 1507580 to add Model 6a.KG.
1507580	2004-11-16	Certification of PULS 60series of radar level gauge based on acceptance of FM report

