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July 11, 2022

VEGA GRIESHABER KG
AM HOHENSTEIN 113
SCHILTACH BADEN-WÜRTTEMBERG 77761

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 8150945
Your Reference No.: VEGAPLUS 64 SICK ADDITION NOMENCLATURE
Registered to: VEGA GRIESHABER KG

Dear Matthias Kunz,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN : 0F7424.15
Main Design No.: SOR-PS6X-REV0
Expiry Date: Apr 20, 2032

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

Note: Design registration completed under interprovincial agreement with jurisdictional check only.
All pressure boundary components to be constructed from ASME/ASTM materials as listed in Table 2.2 of design report.
The Scope of Registration document SOR-PS6X Rev. 0 was revised to remove the design pressure of -1 bar from summary table.

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Andy Concister P. Eng.
Andy Concister P. Eng.
Engineer, EDAD
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SOR-PS6X, Rev. 0: Scope of Registration Summary VEGAPULS 6x

Product Assembly Type	Example Fitting Design*	Process Connection Description	Example Materials of Construction*	Maximum Design Pressure (bar) and Temperature (°C)
VEGAPULS 6X Plastic horn antenna - type code B	ASME B16.5	≥3"	PP-C PP-GF30	-1...+2 bar -40 ... 80 °C
	EN1092-1	≥DN80		
	JIS	≥DN80		
	British Standard	≥3"		

Product Assembly Type	Example Fitting Design*	Process Connection Description	Example Materials of Construction*	Maximum Design Pressure (bar) and Temperature (°C)
VEGAPULS 6X PTFE plated flanges - type code F	EN1092-1	≥DN25	316/316L Alloy C22 (2.4602) Duplex 22 / 1.4462 Superduplex 25 / 1.4410 6MO/SMO 254 / 1.4547 PTFE PFA	-1 ... +25 bar -40 ... +150 / 200 °C**
	British Standard	≥1"		
	ASME B16.5	≥1"		
	JIS	≥DN25		
	GOST 33259-2015	≥DN25		

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Product Assembly Type	Example Fitting Design*	Process Connection Description	Example Materials of Construction*	Maximum Design Pressure (bar) and Temperature (°C)
Metal framed lens antenna - type code C	British Standard	≥3"	316/316L Alloy C22 (2.4602) Duplex 22 / 1.4462 Superduplex 25 / 1.4410 6MO/SMO 254 / 1.4547 PEEK	-1 ... +3 bar -40 ... +150 / 200 °C**
	JIS	≥DN80		
	EN1092-1	≥DN80		
	ASME B16.5	≥3"		
	GOST 33259-2015	≥DN80		
	ASME BPE	≥3"		

Product Assembly Type	Example Fitting Design*	Process Connection Description	Example Materials of Construction*	Maximum Design Pressure (bar) and Temperature (°C)
VEGAPULS 6X Threaded types - type code T	DIN3852-A	G-Thread ≥¾"	316/316L Alloy C22 (2.4602) Duplex 22 / 1.4462 Superduplex 25 / 1.4410 6MO/SMO 254 / 1.4547 PEEK	-1 ... +40 bar -40 ... +150 / 250 °C**
	ASME B1.20.1	NPT ≥¾"		

*Further connections and materials are possible like:

Process connections: threaded connections, pipe connections, industrial flanges according to DIN, ASME, EN, GOST, JIS or equivalent norms and industry standards.

Materials: stainless steels according to EN 100088-1 (except 1.4305) or other standards and other corrosion resistant materials, e.g. Hastelloy, Monel, Inconel, Incoloy, Tantalum.



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**Depends on w/ or w/o rod extension, parts under pressure are identical

I the undersigned hereby confirm that the above is accurate, correct and complete,

Approved by: Matthias Kunz
Title: Product Safety Engineer
Signed:

Date: November 29, 2021