

June 2, 2022

Titan Research Group
1920 Yonge Street
Toronto, ON M4S 3E2

Dear Rob McGregor,

Re: Reciprocal CRN Registration in Manitoba

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, the design reviews conducted and accepted by the Canadian province or territory, or their delegated safety authority, will be mutually recognized in the Province of Manitoba. If a registration is conditionally based on compliance with the notes set by the original issuing Jurisdiction, such compliance shall be applied the same to this Province.

Your submission has been registered, as follows:

File Number: 74-R2288
CRN: 0F7424.14
Scope: SOR-PS6X Pg 1-3
Manufacturer: Vega Grieshaber KG
Expiry Date: 20 April 2032

Along with this letter is the invoice for registration.

In addition, every vessel shall be stamp of the registration number and as required by CSA Code B51, a Manufacturer's Data Report (MDR) must be forwarded to this office immediately at the time a unit is shipped to Manitoba. Send your MDR to gasupport@gov.mb.ca. In your subject line, indicate "*Manufacturer's Data Report-CRN No.*" A fee shall be billed to the Manufacturer to process data reports in accordance with the Steam and Pressure Plants Regulation section 17.1.

Please contact gasupport@gov.mb.ca for any questions or concerns.

Inspection and Technical Services

Labour, Consumer Protection and Government Services
508 – 401 York Avenue, Winnipeg, MB R3C 0P8
T (204) 945-3373 | F (204) 948-2089

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		

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)
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.



SOR-PS6X, Rev. 0: Scope of Registration Summary VEGAPULS 6x

**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