

National Board Number: 2  
Mfr. Representative: [Signature] Date: 16/11/2016  
Authorized Inspector: [Signature] Date: 14/11/2016

**FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS**  
**(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)**  
**As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1**

1. Manufactured and certified by Schrader Apparatebau GmbH, Schleebergstrasse 12, Ennigerloh 59320, Germany

(Name and address of Manufacturer)

2. Manufactured for Evonik Degussa Corporation, PO Box 868, US-Theodore AL 36590

(Name and address of Purchaser)

3. Location of installation Evonik Corporation, Mobile, 4201 Degussa Road, US-Theodore AL 36582

(Name and address)

4. Type vertical 10908-01 n.a. 214-0451-18-001 R. 4 2 2015

(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)

5. ASME Code, Section VIII, Div. 1 Edition 2013 n.a. n.a.

(Edition and Addenda, if applicable (date)) (Code Case number) (Special service per UG-120(d))

6. Shell SA-240 316L 6 mm 0 699,2 mm / 311,9 mm 2501 mm

(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) (Length (overall))

**Body Flanges on Shells**

No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting				
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material	
n.a.													

7. Seams Dbl. wld. butt spot 85 n.a. n.a. Wld. dbl./sngl. spot 85 3

(Long. (welded, dbl., sngl., lap, butt)) (R.T. (spot or full)) (Eff., %) (H.T. temp.) (Time, hr) (Girth (welded, dbl., sngl., lap, butt)) (R.T. (spot or full)) (Eff., %) (No. of courses)

8. Heads: (a) Material SA-240 316L (b) Material n.a.

(Spec. no., grade) (Spec. no., grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	Bottom	6 mm	0	323,9 mm	33 mm	n.a.	n.a.	n.a.	n.a.	Concave and Convex
(b)	Top	8 mm	0	711,2 mm	71 mm	n.a.	n.a.	n.a.	n.a.	Concave and Convex

**Body Flanges on Heads**

	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	n.a.											
(b)												

9. MAWP 3,1 bar 1,0 bar at max. temp. 250 °C 250 °C

(Internal) (External) (Internal) (External)

Min. design metal temp. -29 °C at 3,1 bar. Hydro., pneu., or comb. test pressure hydrostatic: 6,4 bar

Proof test n.a.

10. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
B1	1	NPS 10	#150	SA-312 TP316L	SA-182 F316L	9,27	0	Integral	UW-16.1(c)	Wld.	-
B2	1	NPS 3	#150	SA-790 S31803	SA-182 F316L	5,49	0	SA-240 316L	UW-16.1(c)	Wld.	-
G1	1	NPS 6	#150	n.a.	SA-240 316L	45,0	0	n.a.	n.a.	Block	-
L1 - L3	3	NPS 3	#150	SA-312 TP316L	SA-182 F316L	5,49	0	Integral	UW-16.1(c)	Wld.	-
H1	1	NPS 8	#150	SA-312 TP316L	SA-182 F316L	8,18	0	Integral	UW-16.1(c)	Wld.	Yes
S1 - S2	2	NPS 2	#150	SA-312 TP316L	SA-182 F316L	3,91	0	Integral	UW-16.1(c)	Wld.	-
T1	1	NPS 1 1/2	#150	SA-312 TP316L	SA-182 F316L	3,68	0	Integral	UW-16.1(c)	Wld.	-

11. Supports: Skirt No Lugs 1 Legs n.a. Other 4 x Brackets Attached welded to shell

(Yes or no) (Number) (Number) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: None

(Name of part, item number, Manufacturer's name and identifying stamp)

See Form U-4 for details.

