FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1012

1 Manufactured and certified by: Precision Stainless, Inc 3300 E. Pythian, Springfield, MO 65802
(Name and address of Manufacturer)

2. Manufactured for: Baxter Healthcare Corporation PO Box 29013 Glendale, CA 91209-9013
(Name and address of Purchaser)

3. Location of installation: Baxter Healthcare 1700 Rancho Conejo Blvd. Thousand Oaks, CA 91320
(Name and address)

4. Type: Vertical (Horiz., vertical., or Sphere) | Tank with heat exchanger (Tank, separator, jkt. vessel, heat exh., etc.) | 6222-8 (Mfg's serial No.)

- (CRN) | 51280D Rev B (Drawing No.) | 7516 (Nat'l Bd. No.) | 1998 (Year built)

5. ASME Code, Section VIII, Div 1 | 1995 A-96 (Edition and Addenda (date)) | - (Code Case No.) | - (Special Service per UG-120(d))

Items 6-11 incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multi-chamber vessels.

6. Shell (a) No. of course(s): 1 (b) Overall length (ft & in): 2' 9-1/4"

Course(s)			Material	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B, & C)			Heat Treatment	
No.	Diameter, in.	Length (ft & in)	Spec./Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	25"	2' 9-1/4"	SA240 304L	.078"	0	1	None	70%	-	-	-	-	-

7. Heads: (a) SA240 304L (Mat'l Spec. No., Grade or Type) H.T. - Time & Temp (b) - (Mat'l Spec. No., Grade or Type) H.T. - Time & Temp

	Location (Top, Bottom, Ends)	Thickness Min.	Thickness Corr.	Radius Crown	Radius Knuckle	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure Convex	Side to Pressure Concave	Category A Type	Category A Full, Spot, None	Eff.
(a)	Bottom	.078"	0	25"	-	-	-	-	-	-	Concave	-	-	-
(b)														

If removable, bolts used (describe other fastening) - (Mat'l Spec. No., Grade, size, No.)

8. Type of Jacket Dimpled Jacket closure Ogee & Weld (Describe as ogee & weld, bar, etc.)

If bar, give dimensions None If bolted, describe or sketch.

9. MAWP 100 (internal) 15 (external) psi at max. temp. 300 (internal) 300 (external) ° F Min. design metal temp. -20 ° F at 100 psi

10. Impact test No (indicate yes or no and the component(s) impact tested)

11. Hydro., ~~pneu., or comb~~. Test press. 164 Proof test Displacement UG101(0) 300 PSI 9-1-93

Items 12 and 13 to be completed for tube sections

12. Tubesheet: - Stationary (Mat'l Spec. No.) | - Dia., in. (subject to press.) | - Nom. thk., in. | - Corr. Allow., in. | - Attachment (welded or bolted)

- Floating (Mat'l Spec. No.) | - Dia., In. | - Nom. Thk., in. | - Corr Allow., in. | - Attachment

13. Tubes: - Mat'l Spec. No., Grade or Type | - O.D., in. | - Nom. Thk., in. or gauge | - Number | - Type (Straight or U)

Items 14-18 incl. To be complete for inner chambers of jacketed vessels or channels of heat exchangers

14. Shell (a) No. of course(s) 1 (b) Overall length (ft & in.) 3' 7"

Course(s)			Material	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat A, B, & C)			Heat Treatment	
No.	Diameter, in.	Length (ft & in)	Spec./Grade or Type	Nom.	Corr	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	24-1/2" OD	3' 7"	SA240 316L	.187"	0	1	None	70%	1	None	70%	None	None

15. Heads: (a) SA240 316L (Mat'l Spec. No., Grade or Type) H T - Time & Temp. (b) SA240 316L (Mat'l Spec. No., Grade or Type) H T - Time & Temp.

	Location (Top Bottom, Ends)	Thickness Min.	Thickness Corr.	Radius Crown	Radius Knuckle	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure Convex	Side to Pressure Concave	Category A Type	Category A Full, Spot, None	Eff.
(a)	Top	.218"	0	24"	2"	-	-	-	-	-	Concave	-	-	-
(b)	Bottom	.103"	0	24"	2"	-	-	-	-	Convex	Concave	-	-	-

If removable, bolts used (describe other fastening) Stud 17-4PH matl Cond 1150 Grade 630 .75" (6) Wingnuts SB584
(Mat'l Spec. No., Grade, size, No.)

FORM U-1 (Back)

16. MAWP 50 (Internal) 15 (External) psi at max. temp. 300 (Internal) 300 (External) ° F. Min. design metal temp. -20 ° F. at 50 psi.

17. Impact Test No

(Indicate yes or no and the component(s) impact tested)

18. Hydro., ~~pneu., or comb.~~ test press. 79 Proof Test Displacement UG101(0) 150 PSI 4-20-95

19. Nozzles, inspection, and safety valve openings: See Attached U-4

Purpose, (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material Nozzle	Material Flange	Nozzle Thickness Nom.	Nozzle Thickness Corr.	Reinforcement Material	How Attached Nozzle	How Attached Flange	Location (Insp[illegible]en)

20. Supports: Skirt No (Yes or No) Lugs: - (No.) Legs: 3 (No.) Others: - (Describe) Attached: Bottom head & shell weld (Where and how)

21. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: (List the name of part, item number, mfg's. name and identifying number)

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22. Remarks: 300 liter tank with dimpled heat transfer, designed for full vacuum, 15 PSI. Top head is removable. Heating and cooling medium is 30% P glycol. Customer to install suitable pressure and/or vacuum relief valves. Exempt from impact testing per UHA-51 d1a and e2a. Hydro test in vertical position.

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

U Certificate of Authorization No. 24003 Expires: April 6 2001

Date: 7-20-98 Name Precision Stainless, Inc. (Manufacturer) Signed: Douglas W Morgan (Representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of MO and employed by Commercial Union Insurance Company of Boston, MA have inspected the pressure vessel descibed in this Manufacturer's Data Report on 5/6, 19 98 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date: 7/20/98 Signed: [signature] (Authorized Inspector) CU 206 Commissions: NB 7376 "A" (Nat'l Board include. Endorsement, State, Province and No.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1.

U Certificate of Authorization No. Expires: 19

Date: Name: (Assembler) Signed: (Representative)

CERTIFICATE OF FILED ASSEMBLY INSPECTION

I undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of and employed by of have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data items not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test of psi. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturers Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date: Signed: (Authorized Inspector) Commissions (Nat'l Board incl. endorsement, State, Province and No.)

FORM U-4 MANUFACTURER'S DATE REPORT SUPPLEMENTARY SHEET
As required by the provisions of the ASME Code Rules, Section VIII, Division 1

1. **Manufactured and certified by** Precision Stainless, Inc. 3300 E. Pythian Street Springfield, MO 65802
2. **Manufactured for:** Baxter Healthcare Corporation PO Box 29013 Glendale, CA 91209-9013
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51280D Rev B (Drawing No.) 7516 (Nat'l Bd No,) 1998 (Year built) - (CRN)

Date Report Item Number

Remarks

Purpose	No.	Dia.	Flange	Material Nozzle	Material Flange	Nozzle Thickness Nom.	Nozzle Thickness Corr.	Reinforcement Material	How Attached Nozzle	How Attached Flange	Location
Inlet	2	3"	-	SA479 316L	-	.189"	0	-	UW16.1 (C)	-	Top
Inlet	4	2"	-	SA479 316L	-	.162"	0	-	UW16.1 (C)	-	Top
Inlet	2	1.5"	-	SA479 316L	-	.160"	0	-	UW16.1 (C)	-	Top
Drain	1	.5"	-	SA479 316L	-	.312"	0	-	UW16.1 (C)	-	HTS
Outlet	2	25mm	-	SA479 316L	-	.318"	0	-	UW16.1 (C)	-	Shell
Outlet	1	1.5"	-	SA479 316L	-	.160"	0	-	UW16.1 (C)	-	Bottom
Inlet	1	1"	-	SA312 304L	-	Sch 40	0	-	UW16.1 (C)	-	HTS
Outlet	1	1"	-	SA312 304L	-	Sch 40	0	-	UW16.1 (C)	-	HTS

Certificate of Authorization:

Type U No. 24003 Expires April 6, Year 2001

Date 7-20-98 Name Precision Stainless, Inc. (Manufacturer) Signed: Douglas W Morgan (Representative)

Date: 7/20/98 Name: E J Heaine (Authorized Inspector) CU 206 Commission NB 7376 "A" (Nat'l Bd) (Include endorsements, St. Province and No.)