

Job #
2219**FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET**
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1SWENSON
PO# SL-1401

1. Manufactured and certified by Industrial Alloy Fabricators, Inc. 2345 Quince St. Forest Grove, OR 97116
(name and address of manufacturer)
2. Manufactured for SWENSON PROCESS EQUIPMENT INC. HARVEY, ILLINOIS
(name and address of purchaser)
3. Location of Installation RHONE POULENC, INC. INSTITUTE, WEST VIRGINIA
(name and address)
4. Type: HORIZONTAL Heat Exchanger D-1708
(horiz., vert., or sphere) (Tank, separator, jkt. vessel, heat exch., etc) (Mfg's serial No.)
- NA D-1708 REV 1A 1475 1992
(CRN) (Drawing No.) (Nat'l Bd. No.) (Year built)

Data Report
Item Number

Remarks

Form U-1

Item 19

Nozzles, inspection, and safety valve openings:

Purpose (inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
(39) DRAIN	1	2"	150# LJ	SA-312 316L	SA-105	.218"	1/16"	INTEGRAL	WELD	LOOSE	NA

CONDENSATE POT BOLTED TO 6" COND. OUTL.

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

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	6-5/8" OD	2'-1"	SA-312 TP316L		280"	1/16"	1	NONE	85%	1	NONE	70%	NONE	NA

7. Heads: (a) SA-403 316L (b) NA
(Mat'l Spec. No., Grade or Type) H.T.-Time & Temp (Mat'l Spec. No., Grade or Type) H.T.-Time & Temp

Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
	Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
BOTTOM	.245"	1/16"	NA	NA	2:1	NA	NA	NA	YES	YES	NONE	NA	85%
(b) NA													

- If removable, bolts used (describe other fastening) SA-193 B7 3/4" diameter 8 required

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				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
(37) VENT	1	1-1/2"	150# LJ	SA-312 316L	SA-105	.200"	1/16"	INTEGRAL	WELD	LOOSE	NA
(52) LEVEL GA.	1	3"	150# LJ	SA-312 316L	SA-105	.300"	1/16"	INTEGRAL	WELD	LOOSE	NA
(53) LEVEL GA.	1	3"	150# LJ	SA-312 316L	SA-105	.300"	1/16"	INTEGRAL	WELD	LOOSE	NA
(36) COND. OUTL.	1	2"	150# LJ	SA-312 316L	SA-105	.218"	1/16"	INTEGRAL	WELD	LOOSE	NA
(38) LEVEL CTL.	1	3/4"	150# LJ	SA-312 316L	SA-105	.154"	1/16"	INTEGRAL	WELD	LOOSE	NA
(61) LEVEL CTL.	1	3/4"	150# LJ	SA-312 316L	SA-105	.154"	1/16"	INTEGRAL	WELD	LOOSE	NA

Certificate of Authorization: Type U No. 12,619 Expires April 30, 19 93Date 10/20/92 Name Industrial Alloy Fabricators, Inc. Signed [Signature]
(manufacturer) (representative)Date 10-20-92 Name [Signature] Commissions NB # 6869 OR # 507
(Authorized Inspector) (Nat'l Board incl. endorsement, State, Province and No.)

Similar to form obtained from:
The National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Ave., Columbus, OH 43229

NB-67
Rev. 4