

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

408372

1. Manufactured and certified by Nusco Manufacturing & Supply Ltd. 1604-8th St. Nisku, Alta, Can. T9E 7S6
(Name and address of manufacturer)
2. Manufactured for Nusco Manufacturing & Supply Ltd. 1604-8th St. Nisku, Alta, Can. T9E 7S6
(Name and address of purchaser)

3. Location of installation Stock

4. Type Vert. Separator 60564-200 K-9874.213 D0182-200 R.0 1996
(Mark or S.N. Code) (Drawing No.) (Weld. S.N. Code) (Year Made)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME Boiler and Pressure Vessel Code. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1, 1995

to - 95A N/A N/A N/A
Addenda (Date) Code Case No. Standard Section per UG-125(d)

6. Shell: SA-106-B 0.375" 0.0625" 24" OD 5' - 0"
Mat. (Spec. No., Grade) Nom. Thick. (In.) Corr. Allow. (In.) Diam. I.D. (In. & Fr.) Length (Overall) (In. & Fr.)

7. Seams: N/A N/A 85 N/A N/A Weld Sngl. Butt RT-3 (Spot) 1
Long. Welded, Oth., R.T. (Spot or Full) H.T. Temp. (°F) Time (Hr) Sngl., Lap, Butl. R.T. (Spot, Patch, or Full) No. of Courses

8. Heads: (a) Matl. SA-516-70N (b) Matl. SA-516-70N
(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) Top	0.375	0.0625"	--	--	2:1	--	--	--	Concave
(b) Bottom	0.364	0.0625"	--	--	2:1	--	--	--	Concave

If removable, bolts used (describe other fastenings) N/A

9. MAWP 250 -20 °F at 250 psi at max. temp. 100 375 °F
Min. design metal temp. psi. Hydro., press., or comb. test pressure

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. T-L	Reinforcement Matl.	How Attached	Location
See								
I14 Form								

11. Supports: Skirt Yes N/A N/A Other N/A Attached Welded to bottom head
(Yes or No) (No.) (Details and Notes)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: N/A (Name of item number, why's name and identifying number)

Vessel is impact test exempt per UG 20 (f) & UCS - 66

Capacity- 21 Cu. Ft. Hydrotested- Vertically

Customers responsibility to install adequate pressure relief valve

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. 24716 Mar 27, 1999
Date Oct 7, 1996 Co. name Nusco Manufacturing & Supply Ltd. Signed [Signature] (Inspector)

Vessel constructed by Nusco Manufacturing & Supply Ltd. at 1604-8th St. Nisku, Alta, Can. T9E 7S6

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 Alberta and employed by Alberta Boilers Safety Association

have inspected the component described in this Manufacturer's Data Report on Oct 7, 1996, 1996, 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 Oct 7, 1996 Signed [Signature] Alberta 31
(Inspector) (Print Name and Undergraduate, State, Date and Year)

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

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1. Manufactured and certified by Nusco Manufacturing & Supply Ltd. 1604-8th St. Nisku, Alta. Can. T9E 7S6
(Name and address of Manufacturer)
2. Manufactured for Nusco Manufacturing & Supply Ltd. 1604-8th St. Nisku, Alta. Can. T9E 7S6
(Name and address of Purchaser)
3. Location of installation Stock
(Name and address)
4. Type: Vertical Separator 60564-200
(Ident., vert., or sphere) (Ident. separator, heat exch., etc.) (Part's serial No.)
K-9874.213 D0182-200 Rev. 0 1996
(CIN) (Drawing No.) (Year Built)

Data Report
Item Number

Remarks

NOZZLES, INSPECTION AND SAFETY VALVE OPENINGS:

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PURPOSE	NO.	DIA.	TYPE	MAT'L	NOM. THK.	RETN MAT'L	AUTSCH/LOCATION
N1 LC/INSP	1	8"	Ham-Union	SA-106-B	0.594"	N/A	UW-16.1 (c)Shell
C1 Inlet	1	2"	TOL	SA-105	3000#	N/A	UW-16.1 (a)
C2 Gas Out	1	2"	TOL	SA-105	3000#	N/A	UW-16.1 (a)
C3 Liq Out	1	2"	TOL	SA-105	3000#	N/A	UW-16.1 (a)
C4 Drain	1	2"	PIPE/NPT	SA-234-WPB	0.344"	N/A	UW-16.1 (c)
C5 PSV/INSP.	1	2"	TOL	SA-105	3000#	N/A	UW-16.1 (a)Shell
C6 Temp. Ind.	1	3/4"	TOL	SA-105	3000#	N/A	UW-16.1 (a)
C7 Press. Ind.	1	1/2"	TOL	SA-105	3000#	N/A	UW-16.1 (a)
C8 A/B Level Ga.	2	3/4"	TOL	SA-105	3000#	N/A	UW-16.1 (a)
C9 HLSD	1	2"	TOL	SA-105	3000#	N/A	UW-16.1 (a)

Construction Drawing STD-200 Rev. 3

Certificate of Authorization: Type U No. 2476 Expires Mar 27 1999

Date 05/4/96 Name Nusco Manufacturing & Supply Ltd. Signed [Signature] (Manufacturer) (Representative)

Date 05/07/96 Name [Signature] Commission Alberta (Authorized Inspector) (Part 1 Board incl. endorsement, State, Province and No.)

(12/91)

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