

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 Code Rules, Section VIII, Division 1

1. Manufactured and certified by BROMLEY MECHANICAL SERVICES INC., A Division of Argo Sales Ltd., 925 23 St. SW, Medicine Hat, Alberta T1A 8R1
(Name and address of manufacturer)
2. Manufactured for Ultrafab Insustries Ltd., 2907 - 18th Street NE, Calgary, AB T2E 7K5
(Name and address of purchaser)
3. Location of installation For Resale

4. Type Vertical 828453 U6484.2 33135-1-REG Rev.0 n/a 2008
(Name and address)
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
(Honz. or vert., tank) (Mfr's serial No.) (CRN) (Drawing no.) (Nat. Bd. No.) (Year built)
2007 Edition

6. Shell: SA516-70N 1.500" 0.125" 36" OD 10'-0" S/S
(Addenda (Date)) (Code Case Nos.) (Special Service per UG-120(d))
7. Seams: Single (Type 1) Full 100% 1150°F 90 Single (Type 1) Full 100% 1
(Mat. (Spec. No., Grade)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I. D. (ft. & in.)) (Length (overall) (ft. & in.))
8. Heads: (a) Matl. SA516-70N (b) Matl. SA516-70N
(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	1.375"	0.125"	-	-	2:1	-	-	-	Concave
(b)	BOTTOM	1.375"	0.125"	-	-	2:1	-	-	-	Concave

If removable, bolts used (describe other fastenings) n/a

9. MAWP 1440 n/a 130°F n/a *F.
(internal) (external) (Matl., Spec. No., Gr., Size No.)
Min. design metal temp. -20 1440 2160 psi.
(internal) (external) (psi. Hydro., ~~max.~~ test pressure)

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Inlet, Outlet	2	3"	CL600RFLW	SA105N	0.810"		UW16.1e	Shell
Inspection	2	8"	CL600RFHB	SA105N	2.160"		UW16.1e	Shell
Drain, PSV	2	2"	CL600RFW	SA105N, SA106B, SA234WPB	0.344"		UW16.1e	Datum Head, Sh
LG(2), Pump Out	3	2"	CL600RFW	SA105N, SA106B	0.344"		UW16.1e	Shell
Vent	1	1"	TOL	SA182-316L	6M		UW-16.1a	Top Head
Chemical Injection	1	1/2"	TOL	SA182-316L	6M		UW-16.1a	Shell

11. Supports: Skirt Yes 2 0 Nil Attached Head Weld
(Yes or no) (No.) (No.) (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: n/a Impact Testing Exempt Per UG20F(1-5) & UCS-66(a)(b) PSV Supplied by Others Per UG125

Volume: 64.84 cu ft or 1.84 cu m CA: 0.125" Construction Drawing Cad. No. 33135-1 VESSEL-1-1 Rev.0
(Name of part, item number, Mfr.'s name and identifying stamp)

CERTIFICATE OF SHOP / FIELD 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. 30634

expires 10/26/2010

Date Oct 24/08 Co. Name BROMLEY MECHANICAL SERVICES INC.
(Manufacturer)

Signed [Signature]
(Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by BROMLEY MECHANICAL SERVICES INC. at 925 - 23 STREET S.W. MEDICINE HAT, ALBERTA T1A 8R1 CANADA

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Alberta and employed by ABSA

have inspected the component described in this Manufacturer's Data Report on OCT 24 2008, 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 24 2008 Signed [Signature] H. Matheson
(Authorized Inspector)

Commissions AB-12
(Nat'l Board (incl. endorsements), State, Prov. and No.)