

E 3300-2

FORM U-3 MANUFACTURER'S CERTIFICATE OF COMPLIANCE
COVERING PRESSURE VESSELS TO BE STAMPED WITH THE UM SYMBOL. SEE U-1(i)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by Alfa Laval Inc., 5400 International Trade Dr., Richmond VA 23231
(Name and address of Manufacturer)
2. Manufactured for DDCE, 500 Park Blvd Ste 545, Itasca, IL, 601431267 USA
(Name and address of Purchaser)
3. Location of Installation DDCE, 200 Industrial Drive, Vonore, TN, 37885, USA
(Name and address)
4. Type Vertical Plate Heat Exchanger 0.02 Cu. ft 30111-98948
(HORIZ., VERT., or SPHERE) (Tank, separator, etc.) (Capacity, all chambers) (Mfgs serial No.)
30111-98948.0 2009
(CRN) (Drawing No.) (Year Built)
5. ASME Code, Section VIII, Div. 1 2007 A08
Edition Addenda (date) Code Case No.

6. Shell (a) No. of course(s): _____ (b) Overall length (ft + in.): _____

Course(s)	Material	Thickness		Long Joint (Cat. A)			Circum. Joint (Cat. A, B + C)			Heat Treatment	
		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
No.	Diameter, in.	Length, ft. + in.	Spec./Grade or Type								

7. Heads: (a) SA-516-70 (b) SA-516-70

Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Radius Side to Pressure		Category A	
	Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None
(a) Fixed	3/4"	0"						19 X 7"				
(b) Movable	3/4"	0"						19 X 7"				

If removable, bolts used (describe other fastening) SA193-B7 (8) 0.630" (M16 actual) BOLTS
(Matl Spec. No., Grade, Size, No.)

8. Type of Jacket _____ Jacket Closure _____
(Describe as ogee + weld, bar, etc.)

9. MAWP 150 psi at max. temp. 300 ° F Min. design metal temp. -20 ° F at 150 psi
(internal) (external) (internal) (external)

10. Impact Test NO (Impact Exemption UCS-66(a), (b), UHA-51, UNF-65, as applicable)
(Indicate yes or no and the component(s) impact tested)

11. Hydro., pneu., or comb. test press. 195 Hydro Proof test

12. 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	
Inlet	2	1 1/4"		SA-312-316		SCH 40					
Outlet	2	1 1/4"		SA-312-316		SCH 40					

13. Supports: Skirt _____ Lugs _____ Legs _____ Others _____ Attached _____
(Yes or no) (No.) (No.) (Describe) (Where and how)

14. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items: (part name, part no., mfg's. name and id no.)

15...Remarks (26) SA-240-316 .024 " Plates Maximum Distance between Heads = 0.95 "
Customer PO #: DDCE11-0118 Owner to supply Safety Valve/Noncorrosive Service Only
Tag #: E3300-2

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.

UM Certificate of Authorization No. 25,018 Expires July 5, 2010
Date 9/16/09 Name Alfa Laval, Inc. (Manufacturer)
Signed [Signature] (Representative)
Signed [Signature] (Certified Individual)