

**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 Megtec Systems, Inc., 830 Prosper Road, De Pere, WI, 54115-3104 USA  
(Name and address of Purchaser)

3. Location of Installation Unknown  
(Name and address)

4. Type Vertical Plate Heat Exchanger 0.35 Cu. ft 30116-90929  
(Horiz., vert., or sphere) (Tank, separator, etc.) (Capacity, all chambers) (Mfg's serial No.)  
30116-90929.0 2015  
(CRN) (Drawing No.) (Nat'l. Bd. No.) (Year Built)

5. ASME Code, Section VIII, Div. 1 2013 2766, 2523  
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	
No.	Diameter, in.	Length, ft. + in.	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time

7. Heads: (a) SA-516-70 (b) SA-516-70  
(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	Radius Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	Fixed	1"	0"						36" X 13"					
(b)	Movable	1"	0"						34" X 13"					

If removable, bolts used (describe other fastening) SA193-B7 (6) 0.787" (M20 actual) BOLTS  
(Mat'l Spec. No., Grade, Size, No.)

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

If bar, give dimensions, If bolted describe or sketch

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	
Outlet	2	2"	PIPE	SA312-316		SCH 40					
Inlet	2	2"	PIPE	SA312-316		SCH 40					

13. Supports: Skirt                      Lugs                      Legs                      Others FEET Attached BOLTED  
(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 Actual Plates (22) SA-240-316 (ALLOY 316) 0.5 mm (27) Plates Maximum Distance between Heads = 77 mm

Customer PO #: 3222

Tag #: HE-2451

Owner to supply Safety Valve/Noncorrosive Service Only

**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, 2015

Date 5/13/15 Name Alfa Laval, Inc.  
(Manufacturer)

Signed *Heather Watson*  
(Representative)

Signed *Heather Watson*  
(Certified Individual)