VSSL-DFB-00 LBS ACCUMULATOR

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by REFRIGERATION VALVES AND SYSTEMS, CORPORATION, 1520 CROSSWIND DR., BRYAN, TX 77808 (Name and address of manufacturer)

2. Manufactured for THE STELLAR GROUP, 2900 HARTLEY RD., JACKSONVILLE, FL. 32257 (Name and address of purchaser)

3. Location of installation MINUTE MAID, 427 SAN CHRISTOPHER DR., DUNEDIN, FL. (Name and address)

4. Type HORIZ. (Horiz., vert., or sphere) 48"X12'3" ACCUMULATOR (Tank, separator, htr. vessel, heat exh., etc.) S018352 (Mfg.'s serial No.)

--- (CRN) 18352D REV.0 (Drawing No.) 14161 (Nat'l. Bd No.) 2001 (Year built)

5. ASME Code, Section VIII, Div. 1 1998 2000 (Edition and Addenda (date)) --- (Code Case No.) --- (Special Service per UG-120(d))

Items 6-11 incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multi-chamber vessels.

6. Shell (a) No. of course(s): 1 (b) Overall length (ft. & in.): 9'11"

Course(s)			Material	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Dia. in. Outside	Length (ft. & in.)	Spec./Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time (hr.)
1	48	9'11"	SA516-70	.375	0	1	SPOT	85	2	SPOT	80	--	--

7. Heads: (a) SA516-70 NONE (Mat'l. Spec. No., Grade or Type) H.T. - Time & Temp. (b) SAME (Mat'l. Spec. No., Grade or Type) H.T. - Time & Temp.

	Location (Top, Bottom, Ends)	Thickness Min.	Thickness Corr.	Radius Crown	Radius Knuckle	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)	Category A Type	Category A Full, Spot, None	Category A Eff.
(a)	END	.3125	0	---	---	2:1	---	---	---	CONCAVE	--	---	--
	END	.3125	0	---	---	2:1	---	---	---	CONCAVE	--	---	--

If removable, bolts used (describe other fastening) --- (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 250 (internal) --- (external) psi at max. temp. +300 (internal) --- (external) °F Min. design, metal temp. -20 °F at 250 psi.

10. Impact test NO UG-20-f (indicate yes or no and the component(s) impact tested)

11. Hydro., ~~pneu.~~ or comb. test press 325 Proof test ---

Items 12 and 13 to be completed for tube sections

12. Tubesheet --- Stationary (Mat'l Spec. No.) --- Dia. in. (subject to press.) --- Nom. thk. in. --- Corr. Allow., in. --- Attachment (welded or bolted)

--- Floating (Mat'l Spec. No.) --- Dia. in. --- Nom. thk. in. --- Corr. Allow., in. --- Attachment

13. Tubes: --- Mat'l Spec. No., Grade or Type --- O.D., in. --- Nom. thk. in. or gauge --- Number --- Type (Straight or U)

Items 14-18 to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

14. 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.	Dia. in. Outside	Length (ft. & in.)	Spec./Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time (hr.)

15. Heads: (a) --- (Mat'l. Spec. No., Grade or Type) H.T. - Time & Temp. (b) --- (Mat'l. Spec. No., Grade or Type) H.T. - Time & Temp.

	Location (Top, Bottom, Ends)	Thickness Min.	Thickness Corr.	Radius Crown	Radius Knuckle	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)	Category A Type	Category A Full, Spot, None	Category A Eff.
(a)													
(b)													

If removable, bolts used (describe other fastening) --- (Mat'l Spec. No., Grade, Size, No.)

PSE