

APV Model R56-S Skid Mounted HTST System

Mfg: APV

Model: R56-S

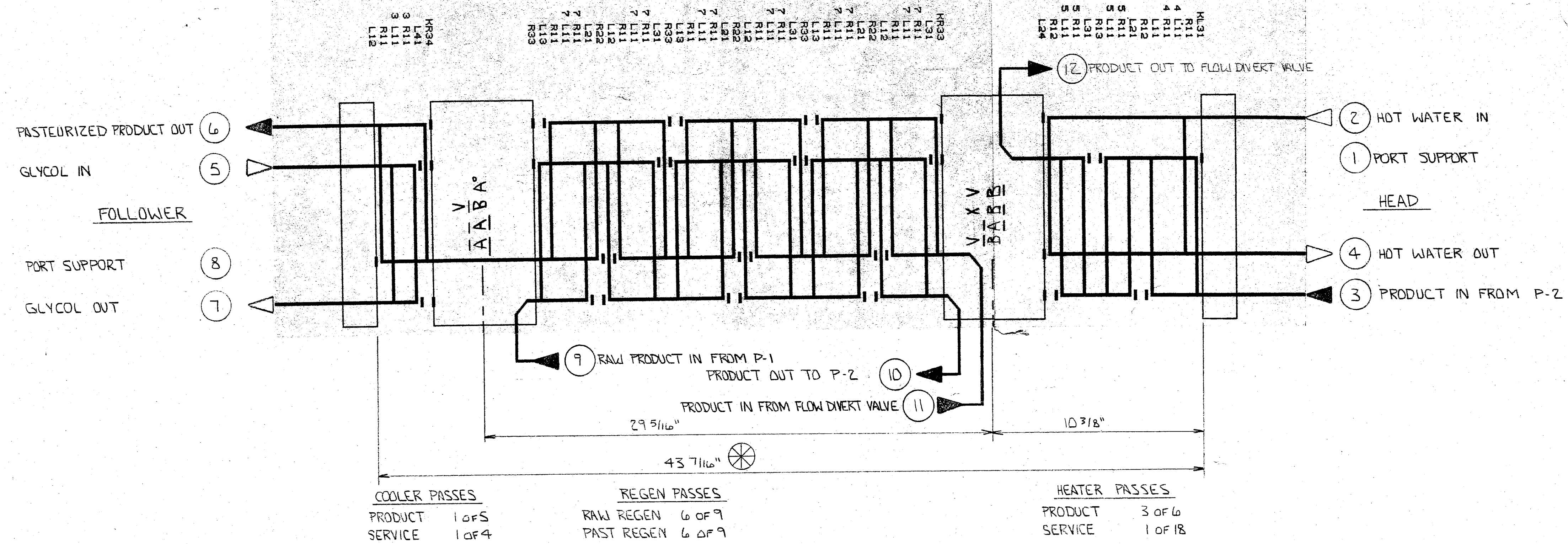
Stock No. 500.G726B.150

Serial No.

APV Model R56-S Skid Mounted HTST System. APV Plate Heat Exchanger, Model R56-S, S/N 19268, 37H/109R/10C Type 304 stainless steel plates with paracril gaskets. (2) Connector terminals with 2-1/2 in. clamp connections. Size 4 frame. Bell And Gosset Model Su-83-2 shell and tube hot water make up set with centrifugal hot water recirculation pump, air operated modulating steam valve, and steam trap. APV 6v2 centrifugal timing pump. Stainless steel PMO legal balance tank; welded 3 in. holder tube mounted on stainless steel stand. Tri-clover 2-1/2 in. CIP cleanable FDV, less control panel. All mounted on stainless steel skid.

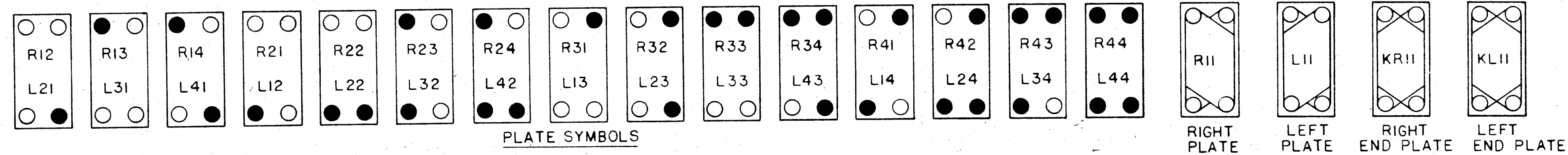
Duty to pasteurize 5,000 gph of cocktail mix with a temperature progression of 70-169-180-81-72 °F using 160 gpm of 183 °F hot water and 30 gpm of 20 °F, 30% propylene glycol.





PLATES MUST BE ARRANGED ALTERNATELY LEFT AND RIGHT. FOR CONVENIENCE ON THIS DRAWING, WHERE BLOCKS OF R AND L11 PLATES OCCUR, THE TOTAL NUMBER OF EACH IS GIVEN.

ELEVATION OF PLATE ARRANGEMENT



DIMENSIONAL TOLERANCES
 NOZZLE CENTER LINE & FACE
 DIMENSIONS: ± 1/8" [3]
 FRAME BALL FEET CENTERLINES: ± 1/4" [6]

- NOTES:**
- ALL PLATES VIEWED FROM GASKET SIDE.
 - END PLATES DENOTED BY LETTER "K" PRECEDING SYMBOL.
 - THIS MODEL HEAT EXCHANGER IS DESIGNED TO OPERATE WITH METAL TO METAL CONTACT BETWEEN PLATE SURFACES. ALL SUPPORT IS FROM PLATE CROSS OVER POINTS AND NOT FROM GASKET SEAL. THEREFORE THIS MACHINE MUST ALWAYS BE TIGHTENED TO A DEAD HARD CONDITION BEFORE OPERATION. THE PLATAGE DIM. SHOWN IS NOMINAL ONLY. DUE TO PLATE MFG. TOLERANCES PLATAGE CAN VARY ± 0.005" PER PLATE. [0.13]
 - INSTALL PLATES ALTERNATING LEFT AND RIGHT.
 - ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.
 - CUSTOMER'S PIPING TO FOLLOWER OR CONNECTOR GRID NOZZLES MUST ALLOW FOR FREE MOVEMENT WHEN UNIT IS OPENED FOR SERVICE AND PROVIDE FOR VARIATION OF THE TIGHTENED PLATAGE DIM. OF ± 1/2" PER 100 PLATES.

	LIQUID	RATE	TEMP. °F	Δ P
D U T Y	CORDIAL AND COCKTAIL MIX	5000 GPH	70° — 169°	REGEN UP 15PSI
			169° — 180°	HEATER 14PSI
			180° — 81°	REGEN DOWN 15PSI
			81° — 72°	COOLER 8PSI
	HOT WATER	160GPM	183° — 176°	2PSI
	30% PROPYLENE GLYCOL	30GPM	70° — 52°	4PSI

LIST OF PLATES 156 -R5 II/300 T-304 S.STL. W/PARACRIL GASKETS	
TOTAL "L" PLATES 78	TOTAL "R" PLATES 78
60 L11	67 R11
4 L12	2 R12
3 L13	1 R13
4 L21	3 R22
1 L24	3 R33
4 L31	1 KR33
1 L41	1 KR34
1 L43	

FRAME SIZE: #4
 MAX. OPERATING PRESSURE: 125 PSI.
 PLATAGE: 43 7/16 INCHES
 VOL. OF PRODUCT: 94.3 GALS.
 WT. OF MACHINE DRY: 486.0 LBS.
 WT. OF MACHINE FLOODED: 578.0 LBS.
 FITTINGS: CONN. GRID CH. T/C T-304 S.STL.
 PORTS 1 THRU 8 3" T/C T-304 S.STL.

**MODEL R56-S
 HEAT EXCHANGER**

W.O. 19268
 BRANCH PD # 33-068750

DATE	REVISION
E	
D	
C	
B	
A	

DR. BY GESCHWENDER	W.O. 19268	DATE 7-2-37	DRAWING NO. 4.19268.0001
SCALE 1/4"	SUPERCEDES		REV.

