

1992 Paul Mueller Accu-Therm Plate Heat Exchanger

Mfg: Paul Mueller

Model: AT161B-10 S/S

Stock No. 75.JMB246.25

Serial No. 101176-1

1992 Paul Mueller Accu-Therm Plate Heat Exchanger. Model: AT161B-10 S/S, S/N: 101176-1. 316 Stainless steel plates: (104). Heat transfer surface area: Approx. 500 sq. ft. Design pressure: 75 psi. Design temperature: 200 °F. Typical max water flow: Approx. 650 gpm. Fixed end ports: (4) 3 in. Movable end ports: (4) 3 in. Overall dimensions: 72 in. L x 33-1/2 in. W x 84 in. H.



** FLOW DIAGRAM **
 ** V 1.7 **

TYPE FREE FLOW 161 FF /B -10

MEDIUM HOT : HOT WATER 250.0 GPM FROM 203.0 DEG F TO 192.6 DEG F PRESS. DROP 20.14 PSI
 MEDIUM COLD: SS OJ 120.0 GPM FROM 179.0 DEG F TO 195.0 DEG F PRESS. DROP 4.20 PSI

DESIGN PRESS : 75 PSI GAGE DESIGN TEMP : 210 DEG F TEST PRESS: 98 PSI GAGE

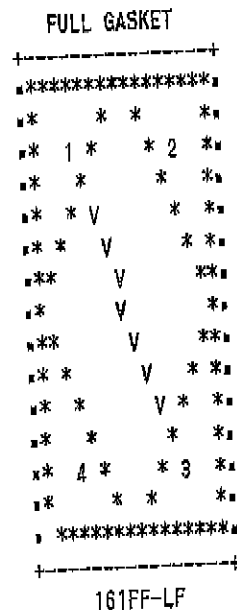
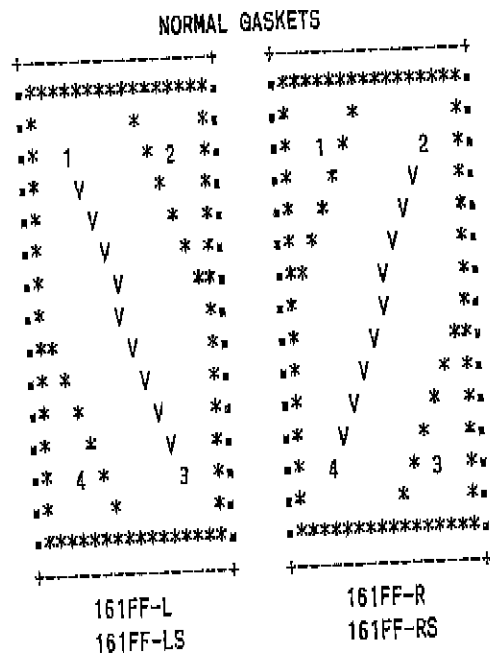
PLATE MATERIAL : 1.25 MM 316 S/S GASKET MATERIAL: NBR-FDA VOLUME : 28.50 GALLONS PACK LENGTH MAX : 9.80 INCH
 PACK LENGTH MIN : 9.27 INCH

GUIDE LENGTH : 30.0 INCH
 BOLT LENGTH : 24.0 INCH

HOT-SIDE FLOW PATH : 3 X 5
 COLD-SIDE FLOW PATH: 1 X 4 + 2 X 5

CONNECTIONS	TYPE	MATERIAL	SIZE	POSITION
HOT IN	FERRULE	304 S/S	3.00	4F
OUT	FERRULE	304 S/S	3.00	2R
COLD IN	FERRULE	304 S/S	3.00	3R
OUT	FERRULE	304 S/S	3.00	1F
SPARE	FERRULE	304 S/S	3.00	2F PLUG & CAP
SPAER	FERRULE	304 S/S	3.00	3F PLUG & CAP
SPARE	FERRULE	304 S/S	3.00	1R PLUG & CAP
SPARE	FERRULE	304 S/S	3.00	4R PLUG & CAP

PICTORIAL VIEW AND TERMINOLOGY FOR PLATES AND GASKETS



V = FLOW PATH * = GASKET — = PLATE L = LEFT HAND R = RIGHT HAND

PLATES AS VIEWED FROM FIXED END FRAME
 GASKETED SIDE OF PLATE FACES MOVABLE END FRAME

II=====
II
II 3F 4F 2F 1F I
II=====

FIXED END FRAME

STYLE / OPENINGS

- 1 - *****
2 - ** **
3 - ** **
4 - ** **
5 - ** **
6 - ** **
7 - ** **
8 - ** **
9 - ** **
10 - ** *****
11 - ** **
12 - ** **
13 - ** **
14 - ** **
15 - ** **
16 - ** **
17 - ** **
18 - ** **
19 - ** **
20 - *****
21 - ** **
22 - ** **
23 - ** **
24 - ** **
25 - ** **
26 - ** **
27 - ** **
28 - ** **
29 - ** **
30 - ** *****

I 3R 4R 2R 1R I
I I

MOVABLE END FRAME

**
 ** ACCU-THERM PLATE HEAT EXCHANGER **
 **
 ** P L A T E U S A G E S U M M A R Y **
 **

CUSTOMER: TRANS-MARKET SALES
 LOCATION: TAMPA, FL. INQUIRY NUMBER : P1991-22.22
 DATE : 11/21/91 SALES ORDER NO.: 101176-02

NUMBER HX-PLATES	MATERIAL		STYLE / OPENINGS	PLATE NUMBER
	PLATE	GASKET		
1.	316 S/S	NBR-FDA	161FF-RS/ 1 4	1.
12.	316 S/S	NBR-FDA	161FF-L / 1 2 3 4	
14.	316 S/S	NBR-FDA	161FF-R / 1 2 3 4	
1.	316 S/S	NBR-FDA	161FF-L / 2 3	
1.	316 S/S	NBR-FDA	161FF-L / 1 4	
1.	316 S/S	FULL NBR-FDA	161FF-LF/ 2 3	30.

** CUSTOMER- TRANS-MARKET SALES
 ** LOCATION TAMPA, FL. INQUIRY NUMBER : P1991-11.17
 ** DATE : 10/16/91 SALES ORDER NO. 101176-01
 **
 **
 **
 **

CUSTOMER- TRANS-MARKET SALES
 LOCATION TAMPA, FL. INQUIRY NUMBER : P1991-11.17
 DATE : 10/16/91 SALES ORDER NO. 101176-01

FLOW DIAGRAM

TYPE FREE FLOW 161 FF /B -10

MEDIUM HOT : SS OJ 120.0 GPM FROM 195.0 DEG F TO 104.0 DEG F PRESS. DROP 6.39 PSI
 MEDIUM COLD: SS OJ 120.0 GPM FROM 82.0 DEG F TO 173.0 DEG F PRESS. DROP 11.08 PSI

DESIGN PRESS : 75 PSI GAGE DESIGN TEMP : 200 DEG F TEST PRESS: 99 PSI GAGE

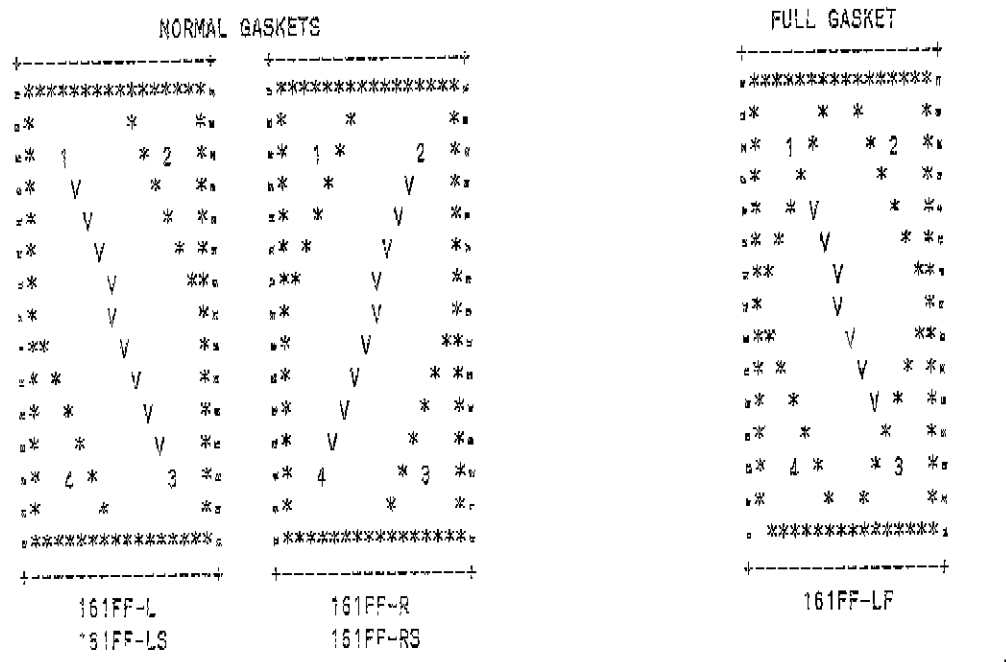
PLATE MATERIAL : 1.25 MM 316 S/S PACK LENGTH MAX : 33.98 INCH
 GASKET MATERIAL: NBR-FDA VOLUME : 101.23 GALLONS PACK LENGTH MIN : 32.14 INCH

GUIDE LENGTH : 66.0 INCH
 BOLT LENGTH : 50.0 INCH

HOT-SIDE FLOW PATH : 5 X 6 + 3 X 7
 COLD-SIDE FLOW PATH: 4 X 6 + 4 X 7

CONNECTIONS	TYPE	MATERIAL	SIZE	POSITION
HOT IN	FERRULE	304 S/S	3.00	3F
OUT	FERRULE	304 S/S	3.00	3R
COLD IN	FERRULE	304 S/S	3.00	4R
OUT	FERRULE	304 S/S	3.00	4F
SPARE	FERRULE	304 S/S	3.00	1F PLUG & CAP
SPARE	FERRULE	304 S/S	3.00	2F PLUG & CAP
SPARE	FERRULE	304 S/S	3.00	1R PLUG & CAP
SPAER	FERRULE	304 S/S	3.00	2R PLUG & CAP

PICTORIAL VIEW AND TERMINOLOGY FOR PLATES AND GASKETS



PLATES AS VIEWED FROM FIXED END FRAME

GASKETED SIDE OF PLATE FACES MOVABLE END FRAME

FIXED END FRAME

STYLE / OPENINGS

Line No.	Style / Opening	Notes
	161FF-RS / 3 4	
2	161FF-L / 1 2 3 4	
3	161FF-R / 1 2 3 4	
4	161FF-L / 1 2 3 4	
5	161FF-R / 1 2 3 4	
6	161FF-L / 1 2 3 4	
7	161FF-R / 1 2 3 4	
8	161FF-L / 1 2 3 4	
9	161FF-R / 1 2 3 4	
10	161FF-L / 1 2 3 4	
11	161FF-R / 1 2 3 4	
12	161FF-L / 1 2 3 4	
13	161FF-R / 1 2	1/8" DIA DRAIN @ 3 4
14	161FF-L / 1 2 3 4	
15	161FF-R / 1 2 3 4	
16	161FF-L / 1 2 3 4	
17	161FF-R / 1 2 3 4	
18	161FF-L / 1 2 3 4	
19	161FF-R / 1 2 3 4	
20	161FF-L / 1 2 3 4	
21	161FF-R / 1 2 3 4	
22	161FF-L / 1 2 3 4	
23	161FF-R / 1 2 3 4	
24	161FF-L / 1 2 3 4	
25	161FF-R / 3 4	1/8" DIA VENT @ 1 2
26	161FF-L / 1 2 3 4	
27	161FF-R / 1 2 3 4	
28	161FF-L / 1 2 3 4	
29	161FF-R / 1 2 3 4	
30	161FF-L / 1 2 3 4	
31	161FF-R / 1 2 3 4	
32	161FF-L / 1 2 3 4	
33	161FF-R / 1 2 3 4	
34	161FF-L / 1 2 3 4	
35	161FF-R / 1 2 3 4	
36	161FF-L / 1 2 3 4	
37	161FF-R / 1 2	1/8" DIA DRAIN @ 3 4
38	161FF-L / 1 2 3 4	
39	161FF-R / 1 2 3 4	
40	161FF-L / 1 2 3 4	
41	161FF-R / 1 2 3 4	
42	161FF-L / 1 2 3 4	
43	161FF-R / 1 2 3 4	
44	161FF-L / 1 2 3 4	
45	161FF-R / 1 2 3 4	
46	161FF-L / 1 2 3 4	
47	161FF-R / 1 2 3 4	
48	161FF-L / 1 2 3 4	
49	161FF-R / 3 4,	1/8" DIA VENT @ 1 2
50	161FF-L / 1 2 3 4	
51	161FF-R / 1 2 3 4	
52	161FF-L / 1 2 3 4	
53	161FF-R / 1 2 3 4	
54	161FF-L / 1 2 3 4	
55	161FF-R / 1 2 3 4	

57	161FF-R / 1 2 3 4
58	161FF-L / 1 2 3 4
59	161FF-R / 1 2 3 4
60	161FF-L / 1 2 3 4
61	161FF-R / 1 2 3 4
62	161FF-L / 1 2 1/8" DIA DRAIN @ 3 4
63	161FF-R / 1 2 3 4
64	161FF-L / 1 2 3 4
65	161FF-R / 1 2 3 4
66	161FF-L / 1 2 3 4
67	161FF-R / 1 2 3 4
68	161FF-L / 1 2 3 4
69	161FF-R / 1 2 3 4
70	161FF-L / 1 2 3 4
71	161FF-R / 1 2 3 4
72	161FF-L / 1 2 3 4
73	161FF-R / 1 2 3 4
74	161FF-L / 1 2 3 4
75	161FF-R / 1 2 3 4
76	161FF-L / 3 4 1/8" DIA VENT @ 1 2
77	161FF-R / 1 2 3 4
78	161FF-L / 1 2 3 4
79	161FF-R / 1 2 3 4
80	161FF-L / 1 2 3 4
81	161FF-R / 1 2 3 4
82	161FF-L / 1 2 3 4
83	161FF-R / 1 2 3 4
84	161FF-L / 1 2 3 4
85	161FF-R / 1 2 3 4
86	161FF-L / 1 2 3 4
87	161FF-R / 1 2 3 4
88	161FF-L / 1 2 3 4
89	161FF-R / 1 2 3 4
90	161FF-L / 1 2 1/8" DIA DRAIN @ 3 4
91	161FF-R / 1 2 3 4
92	161FF-L / 1 2 3 4
93	161FF-R / 1 2 3 4
94	161FF-L / 1 2 3 4
95	161FF-R / 1 2 3 4
96	161FF-L / 1 2 3 4
97	161FF-R / 1 2 3 4
98	161FF-L / 1 2 3 4
99	161FF-R / 1 2 3 4
100	161FF-L / 1 2 3 4
101	161FF-R / 1 2 3 4
102	161FF-L / 1 2 3 4
103	161FF-R / 1 2 3 4
104	161FF-LF / 3 4

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I 3R 4R          2R 1R I
I
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MOVABLE END FRAME

** CUSTOMER: TRANS-MARKET SALES
 ** LOCATION: TAMPA, FL. INQUIRY NUMBER : P1001-11.11
 ** DATE : 10/15/91 SALES ORDER NO.: 101176-01
 ** P L A T E U S A 3 0 S U M M A R Y **
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NUMBER HX-PLATES	MATERIAL		STYLE / OPENINGS	PLATE NUMBER
	PLATE	GASKET		
1.	316 S/S	NBR-FDA	161FF-RS/ 3 4	1.
48.	316 S/S	NBR-FDA	161FF-L / 1 2 3 4	
47.	316 S/S	NBR-FDA	161FF-R / 1 2 3 4	
2.	316 S/S	NBR-FDA	161FF-R / 1 2	
2.	316 S/S	NBR-FDA	161FF-R / 3 4	
2.	316 S/S	NBR-FDA	161FF-L / 1 2	
1.	316 S/S	NBR-FDA	161FF-L / 3 4	
1.	316 S/S	FULL NBR-FDA	161FF-LF/ 3 4	104.

*** 8 VENT(S) IS NEEDED ON THIS UNIT. ****

*** 8 DRAIN(S) IS NEEDED ON THIS UNIT. ****

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 ** ACCU-THERM PLATE HEAT EXCHANGER **
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 ** FLOW DIAGRAM **
 ** V 1.7 **

CUSTOMER: TRANS-MARKET
 LOCATION: TAMPA, FL INQUIRY NUMBER : P1991-33.33
 DATE : 11/25/91 SALES ORDER NO.: 101176-03

TYPE FREE FLOW 161 FF /B -10

MEDIUM HOT : SS OJ 120.0 GPM FROM 104.0 DEG F TO 90.0 DEG F PRESS. DROP 3.43 PSI
 MEDIUM COLD: WELL WATER 225.0 GPM FROM 80.0 DEG F TO 87.2 DEG F PRESS. DROP 6.17 PSI

DESIGN PRESS : 75 PSI GAGE DESIGN TEMP : 150 DEG F TEST PRESS: 96 PSI GAGE

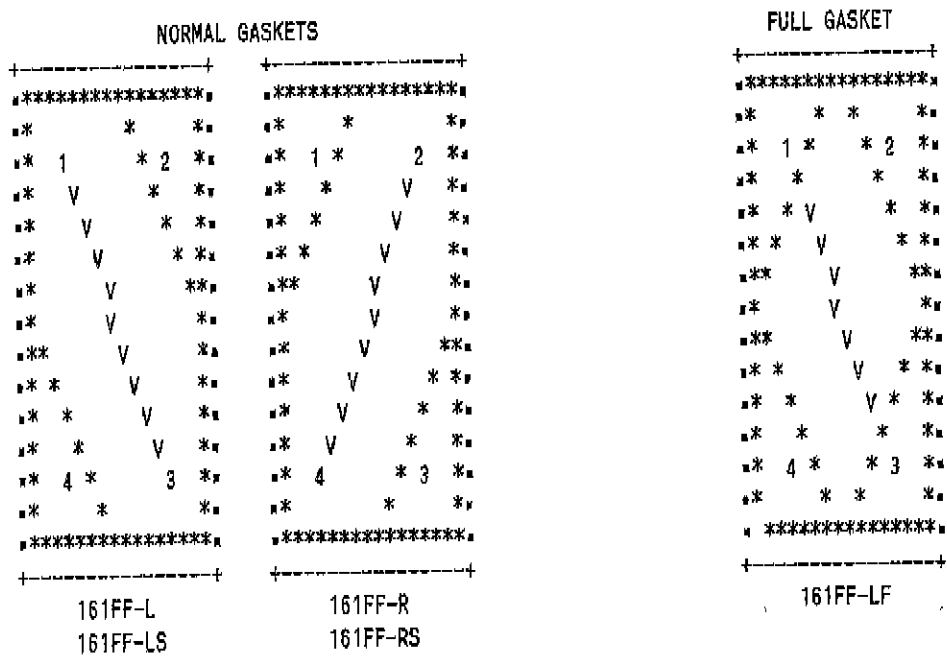
PLATE MATERIAL : 1.25 MM 316 S/S PACK LENGTH MAX : 7.84 INCH
 GASKET MATERIAL: NBR-FDA VOLUME : 29.59 GALLONS PACK LENGTH MIN : 7.42 INCH

GUIDE LENGTH : 30.0 INCH
 BOLT LENGTH : 18.0 INCH

HOT-SIDE FLOW PATH : 2 X 6
 COLD-SIDE FLOW PATH: 1 X 5 + 1 X 6

CONNECTIONS	TYPE	MATERIAL	SIZE	POSITION
HOT IN	FERRULE	304 S/S	3.00	4F
OUT	FERRULE	304 S/S	3.00	4R
COLD IN	FERRULE	304 S/S	3.00	3R
OUT	FERRULE	304 S/S	3.00	3F
SPARE	FERRULE	304 S/S	3.00	1F PLUG & CAP
SPARE	FERRULE	304 S/S	3.00	2F PLUG & CAP
SPARE	FERRULE	304 S/S	3.00	1R PLUG & CAP
SPARE	FERRULE	304 S/S	3.00	2R PLUG & CAP

PICTORIAL VIEW AND TERMINOLOGY FOR PLATES AND GASKETS



V = FLOW PATH * = GASKET -- = PLATE L = LEFT HAND R = RIGHT HAND

PLATES AS VIEWED FROM FIXED END FRAME
 GASKETED SIDE OF PLATE FACES MOVABLE END FRAME

II=====

II I FIXED END FRAME

II 3F 4F 2F 1F I

II=====

STYLE / OPENINGS

- 1 - ** ** *****-----> 161FF-RS/ 3 4
- 2 - ** ** ***** ** ** -----> 161FF-L / 1 2 3 4
- 3 - ** ** ***** ** ** -----> 161FF-R / 1 2 3 4
- 4 - ** ** ***** ** ** -----> 161FF-L / 1 2 3 4
- 5 - ** ** ***** ** ** -----> 161FF-R / 1 2 3 4
- 6 - ** ** ***** ** ** -----> 161FF-L / 1 2 3 4
- 7 - ** ** ***** ** ** -----> 161FF-R / 1 2 3 4
- 8 - ** ** ***** ** ** -----> 161FF-L / 1 2 3 4
- 9 - ** ** ***** ** ** -----> 161FF-R / 1 2 3 4
- 10 - ** ** ***** ** ** -----> 161FF-L / 1 2 3 4
- 11 - ** ** ***** ** ** -----> 161FF-R / 1 2 3 4
- 12 - ** ** ***** ** ** -----> 161FF-L / 1 2 3 4
- 13 - ***** ** ** -----> 161FF-R / 1 2
- 14 - ** ** ***** ** ** -----> 161FF-L / 1 2 3 4
- 15 - ** ** ***** ** ** -----> 161FF-R / 1 2 3 4
- 16 - ** ** ***** ** ** -----> 161FF-L / 1 2 3 4
- 17 - ** ** ***** ** ** -----> 161FF-R / 1 2 3 4
- 18 - ** ** ***** ** ** -----> 161FF-L / 1 2 3 4
- 19 - ** ** ***** ** ** -----> 161FF-R / 1 2 3 4
- 20 - ** ** ***** ** ** -----> 161FF-L / 1 2 3 4
- 21 - ** ** ***** ** ** -----> 161FF-R / 1 2 3 4
- 22 - ** ** ***** ** ** -----> 161FF-L / 1 2 3 4
- 23 - ** ** ***** ** ** -----> 161FF-R / 1 2 3 4
- 24 - ** ** *****-----> 161FF-LF/ 3 4

1/8" DIA DRAIN @ 3 4

I 3R 4R 2R 1R I
I I

MOVABLE END FRAME

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**
 ** ACCU-THERM PLATE HEAT EXCHANGER **
 **
 ** P L A T E U S A G E S U M M A R Y **
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CUSTOMER: TRANS-MARKET
 LOCATION: TAMPA, FL INQUIRY NUMBER : P1991-31.33
 DATE : 11/25/91 SALES ORDER NO.: 101176-03

NUMBER HX-PLATES	MATERIAL		STYLE / OPENINGS	PLATE NUMBER
	PLATE	GASKET		
1.	316 S/S	NBR-FDA	161FF-RS/ 3 4	1.
11.	316 S/S	NBR-FDA	161FF-L / 1 2 3 4	
10.	316 S/S	NBR-FDA	161FF-R / 1 2 3 4	
1.	316 S/S	NBR-FDA	161FF-R / 1 2	
1.	316 S/S	FULL NBR-FDA	161FF-LF/ 3 4	24.

*** 2 DRAIN(S) IS NEEDED ON THIS UNIT. ***

**
 ** ACCU-THERM PLATE HEAT EXCHANGER **
 **
 ** FLOW DIAGRAM **
 ** V 1.7 **

** CUSTOMER: TRANS-MARKET **
 ** LOCATION: TAMPA, FL INQUIRY NUMBER : P1991-42.44 **
 ** DATE : 11/25/91 SALES ORDER NO.: 101176-04 **

TYPE FREE FLOW 161 FF /B -10

MEDIUM HOT : SS OJ 120.0 GPM FROM 90.0 DEG F TO 33.0 DEG F PRESS. DROP 4.11 PSI
 MEDIUM COLD: 30% PROP GLY 325.0 GPM FROM 28.0 DEG F TO 49.2 DEG F PRESS. DROP 20.49 PSI

DESIGN PRESS : 75 PSI GAGE DESIGN TEMP : 150 DEG F TEST PRESS: 98 PSI GAGE

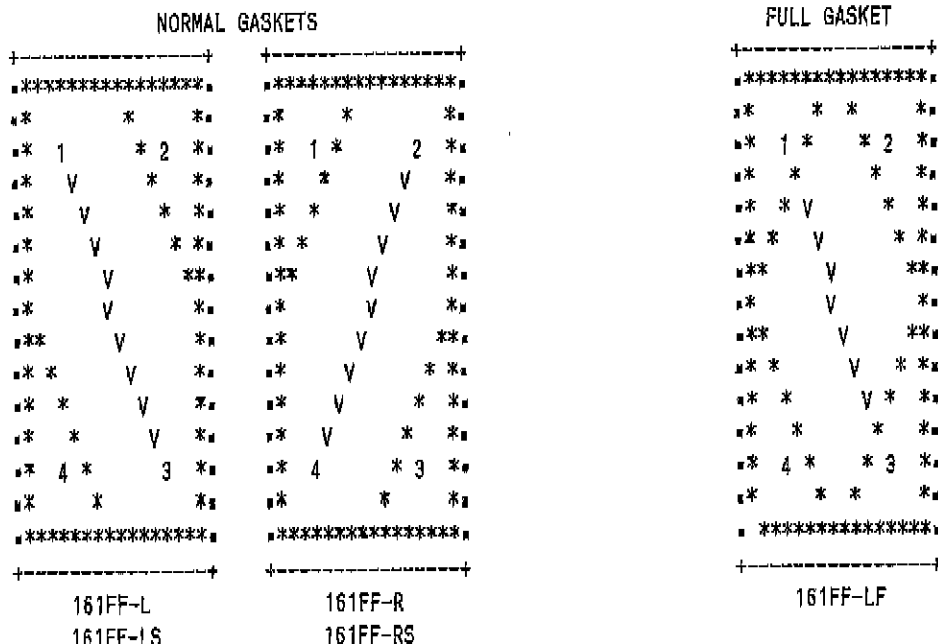
PLATE MATERIAL : 1.25 MM 316 S/S PACK LENGTH MAX : 39.87 INCH
 GASKET MATERIAL: NBR-FDA VOLUME : 119.90 GALLONS PACK LENGTH MIN : 37.71 INCH

GUIDE LENGTH : 84.0 INCH
 BOLT LENGTH : 78.0 INCH

HOT-SIDE FLOW PATH : 5 X 10 + 1 X 11
 COLD-SIDE FLOW PATH: 6 X 10

CONNECTIONS	TYPE	MATERIAL	SIZE	POSITION
HOT IN	FERRULE	304 S/S	3.00	4F
	OUT	FERRULE	3.00	4R
COLD IN	FERRULE	304 S/S	3.00	3R
	OUT	FERRULE	3.00	3F
SPARE	FERRULE	304 S/S	3.00	1F PLUG & CAP
SPARE	FERRULE	304 S/S	3.00	2F PLUG & CAP
SPARE	FERRULE	304 S/S	3.00	1R PLUG & CAP
SPARE	FERRULE	304 S/S	3.00	2R PLUG & CAP

PICTORIAL VIEW AND TERMINOLOGY FOR PLATES AND GASKETS



V = FLOW PATH * = GASKET -- = PLATE L = LEFT HAND R = RIGHT HAND

PLATES AS VIEWED FROM FIXED END FRAME

GASKETED SIDE OF PLATE FACES MOVABLE END FRAME

II ===== I
II 3F 4F 2F 1F I
II =====

FIXED END FRAME

STYLE / OPENINGS

1	- ** **	*****	----->	161FF-RS/ 3 4
2	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
3	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
4	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
5	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
6	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
7	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
8	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
9	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
10	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
11	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
12	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
13	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
14	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
15	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
16	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
17	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
18	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
19	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
20	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
21	- ** **	***** ** **	----->	161FF-R / 1 2
22	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
23	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
24	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
25	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
26	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
27	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
28	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
29	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
30	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
31	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
32	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
33	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
34	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
35	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
36	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
37	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
38	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
39	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
40	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
41	- ** **	***** ** **	----->	161FF-R / 3 4
42	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
43	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
44	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
45	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
46	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
47	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
48	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
49	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
50	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
51	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
52	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
53	- ** **	***** ** **	----->	161FF-R / 1 2 3 4
54	- ** **	***** ** **	----->	161FF-L / 1 2 3 4
55	- ** **	***** ** **	----->	161FF-R / 1 2 3 4

1/8" DIA DRAIN @ 3 4

1/8" DIA VENT @ 1 2


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116 . ** ** ***** ** ** ----> 161FF-L / 1 2 3 4
117 - ** ** ***** ** ** -----> 161FF-R / 1 2 3 4
118 - ** ** ***** ** ** ----> 161FF-L / 1 2 3 4
119 - ** ** ***** ** ** -----> 161FF-R / 1 2 3 4
120 - ** ** ***** ** ** ----> 161FF-L / 1 2 3 4
121 - ** ** ***** ** ** -----> 161FF-R / 1 2 3 4
122 - ** ** ***** ----> 161FF-LF/ 3 4

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== == =====
I 3R 4R          2R 1R I
I                      I
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MOVABLE END FRAME

**
 ** ACCU-THERM PLATE HEAT EXCHANGER **
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 ** P L A T E U S A G E S U M M A R Y **
 **

CUSTOMER: TRANS-MARKET
 LOCATION: TAMPA, FL INQUIRY NUMBER : P1981-44.44
 DATE : 11/25/91 SALES ORDER NO.: 101176-04

NUMBER HX-PLATES	MATERIAL		STYLE / OPENINGS	PLATE NUMBER
	PLATE	GASKET		
1.	316 S/S	NBR-FDA	161FF-RS/ 3 4	1.
60.	316 S/S	NBR-FDA	161FF-L / 1 2 3 4	
55.	316 S/S	NBR-FDA	161FF-R / 1 2 3 4	
3.	316 S/S	NBR-FDA	161FF-R / 1 2	
2.	316 S/S	NBR-FDA	161FF-R / 3 4	
1.	316 S/S	FULL NBR-FDA	161FF-LF/ 3 4	122.

*** 2 VENT(S) IS NEEDED ON THIS UNIT. ***
 *** 3 DRAIN(S) IS NEEDED ON THIS UNIT. ***