



NOTE:  
 PLACE 12" SQ. BAFFLE, 1/4"  
 UNDER CONN. (D) TO BLANK  
 OFF PERF.  $\phi$ .

PATTERSON

P.O. # 5442-10

O	1	3/4"	CPLG.	3000 #	SA105	SPARE			18	2	3" x 3" x 3/8" ANGLE x 71 1/4" LONG.	SA 36
N	1	3/4"	CPLG.	3000 #		RELIEF			17	1	24" SQ. x 3/8" SOLID BAFFLE PLATE	SA516-70
									16	4	2" S/40 PIPE x 2" LG. (VENTS)	SA53B
									15	2	72" I.D. x 80" O.D. x 1/4" THK RING (Insulation)	SA 36
									14	1	6" THICK SS MESH 5 #/FT <sup>2</sup>	304 SS
									13	2	STD. LUGS	SA516-70

BILL OF MATERIALS								NOZZLE SCHEDULE				INTERNALS, SUPPORTS			
ITEM	QTY	SIZE	TYPE	RATING	MATERIAL	SERVICE	LGTH	REINFORCEMENT	ITEM	QTY	DESCRIPTION	MATERIAL			
M	1	3/4"	CPLG.	3000 #	SA105	GAGE			12	1	1" x 8/80 PIPE x 15" LG (B.O.E @ 45°)	SA106B			
L	1	1"	CPLG.	3000 #		SPARE			11	1	12" STD. PIPE x 80" LONG	SA53B			
K	1	1"	CPLG.	3000 #		SPARE			10	1	ASME DATA BRKT. (4" HIGH)	SA 36			
J	1	1"	PIPE	S/80	SA53B OR 106B	OIL DRAIN	27"		9	1	48" O.D. x 3/8" PLATE x 15" LONG.	SA516-70			
H	1	1 1/2"	PIPE	S/80		SPARE	4"		8	1	60" O.D. x 36" I.D. x 1" BASE RING	SA516-70			
G	2	1 1/2"	PIPE	S/80		COLUMN	10"		7	1	71 1/4" O.D. x 3/8" PERF. $\phi$ (47% OPEN)	SA 36			
F	1	2"	PIPE	S/40		SPARE	4"		6	2	2" x 2" x 1/4" ANGLE x 71" LONG.	SA 36			
E	1	2"	PIPE	S/40		PUMP INLET	10"		5	1	1 1/2" S/40 WELD CAP	SA234WPB			
D	1	3"	PIPE	S/40		LIQ. OUTLET	10"		4	1	2" S/40 WELD CAP				
C	1	3"	PIPE	S/40		LIQ. INLET	12"		3	1	1" x S/80 x 90° LR ELL DN				
B	1	12"	PIPE	S/40		GAS INLET	30"	17" x 3/8" SA516-70	2	1	3" x S/40 x 90° LR ELL DN				
A	1	12"	PIPE	S/40		GAS OUTLET	13"	18" x 3/8" SA516-70	1	1	12" x STD. x 90° LR ELL DN				

VESSEL DESIGN SPECIFICATIONS			
DESIGN & CONSTRUCTION IN ACCORDANCE WITH SECTION VIII DIV. 1 ASME CODE FOR PRESSURE VESSELS 1986 EDITION & ADDENDA TO A'86			
SHELL	SA516-70	THICKNESS	3/8"
HEADS	SA516-70	FORMED	HOT FORMED
RT	SPOT	HT	NO
M.A.W.P.	150	PSI	300
HYDROTEST	225	PSI	TO -20 °F
TOLERANCE: PAINT SHOP PRIMER (2 COATS)			
REVISIONS		TITLE	
NO	DATE	72" O.D. x 13'-4" (VERT.) 150 # ASME INTERCOOLER	
1	11-13-87	JNN	
2	11-23-87	JNN	
3			
4			
5			
 Refrigeration Valves and Systems Corp.			
2010 FOUNTAIN ROAD, BRYAN, TEXAS 77801			
DRAWN BY JNN		SCALE NONE	
CHECKED BY DRB		DATE 11-2-87	
DRAWING NO. D0508-3			