

ITEM	SIZE	QTY.	DESCRIPTION	SERVICE
A	18"	1	STANDARD VAPORRITE MANWAY WITH GASKET, HINGED COVER AND HOLD DOWN	MANWAY
B	3"	1	SANITARY CLAMP CONNECTION - (LESS VALVE)	OUTLET
C	2"	1	SANITARY CLAMP CONNECTION	INLET
D	3"	2	SANITARY CLAMP CONNECTION	INLET
E	4"	1	STANDARD CLAMP-ON VENT ASSEMBLY WITH SCREEN, SHROUD, AND GASKET MOUNTED ON A SANITARY CLAMP CONNECTION	VENT
F	-	1	VERTICAL SCRAPER AGITATOR WITH WHITE NYLON BLADES ON SIDEWALL AND CONE BOTTOM POWERED BY A 3 HP SINGLE SPEED, TEFC NORD SK9042.1VZ-100L/4 MOTOR 230/460/60/3 (LESS SWITCH) OPERATING @ 14 RPM. INCLUDES: STAINLESS STEEL MOTOR SUPPORTS, SPRING LOADED OIP SEAL, BOTTOM SHAFT GUIDE WITH REPLACEABLE NYLON BEARING AND FOOD GRADE LUBE IN THE GEAR BOX AGITATION DESIGNED FOR PRODUCTS WITH A MAX VISCOSITY OF 44,000 CPS @ 1.2 SPECIFIC GRAVITY	AGITATION
G	-	1	REMOVABLE ADJUSTABLE HANGING BAFFLE	BAFFLE
H	1.5"x3"	1	SANITARY CLAMP CONNECTION WITH REMOVABLE DUAL SPRAY BALLS MOUNTED IN A SANITARY CLAMP CONNECTION	CIP
J	1/2"	1	PROJECTILE WELL WITH 5" DIAL THERMOMETER (20-240° F RANGE)	THERMOMETER
K	1-1/2"	2	PIPE NIPPLE, MALE NPT, FOR HEAT TRANSFER LIQUID INLET / CONDENSATE OUTLET - (LESS CONTROLS)	HEAT TRANSFER
L	1-1/2"	2	PIPE NIPPLE, MALE NPT, FOR HEAT TRANSFER LIQUID OUTLET / STEAM INLET - (LESS CONTROLS)	HEAT TRANSFER
M	-	4	PIPE LEGS WITH HORIZONTAL BRACING AND NON-ADJUSTABLE FLANGE FEET	LEGS
N	-	2	LIFTING LUGS	LIFTING LUGS

**GENERAL NOTES:**

1. ALL PRODUCT CONTACT MATERIAL TO BE 304 SS UNLESS NOTED OTHERWISE.
2. ALL SHEATHING PENETRATIONS ARE TO BE FLARED AND SILICONE CAULKED.
3. HEAT TRANSFER SIDEWALL CONNECTIONS TO HAVE EXPANSION BEZELS.
4. UHWV SCRAPER BLADE: MAX. WORKING TEMP. - 160° F. NYLON SCRAPER BLADE: MAX. WORKING TEMP. - 220° F. TEFLOX SCRAPER BLADE: MAX. WORKING TEMP. - 400° F.

**ASME NOTES:**

1. MATERIALS & CONSTRUCTION PER ASME SECTION VIII, DIV 1, 2013 EDITION.
2. ALL WELDERS AND WELDING PROCEDURES ARE CERTIFIED IN ACCORDANCE WITH ASME SECTION IX.
3. SEE NAMEPLATE DETAILS FOR CODE STAMPING REQUIREMENTS.
4. VESSEL IS EXEMPT FROM IMPACT TESTING PER UHA-51(d&e).
5. NATIONAL BOARD NUMBER TO BE ASSIGNED AT VESSEL COMPLETION.
6. YEAR IN WHICH COMPLIANCE WITH ALL CODE REQUIREMENTS HAVE BEEN MET IS TO BE STAMPED IN THIS SPACE.
7. HEAT TRANSFER DESIGN OPTIONS: SIDE WALL: CW07 REV B, BOTTOM: DMP21.
8. HEAT TRANSFER JACKET ASME CODE BOUNDARY ENDS AT THE FIRST CIRCUMFERENTIAL JOINT OF THE INLET & OUTLET PIPE NIPPLES. REF ASME SECTION VIII, U-1(e)(1)(a).
9. ALL GROOVE & BUTT WELDS ARE TO BE FULL PENETRATION UNLESS NOTED OTHERWISE.
10. REFER TO BILL OF MATERIALS 14E0573 FOR SUB ASSEMBLIES.

<b>INTERNAL FINISH SPECIFICATION:</b>	
MATERIAL:	#4 FINISH
WELDS:	WP32 / 32 RA
<b>EXTERNAL FINISH SPECIFICATION:</b>	
MATERIAL:	#4 FINISH
WELDS:	MP35EX / 35 RA
EXCEPTIONS: MANWAY HRDWR (WELD RIPPLE VISIBLE) LEG BRACING LIFTING LUGS MOTOR SUPPORTS CONE BTM TRIM	
<b>WEIGHTS:</b>	
EMPTY VESSEL: 1,900 LBS APPROX.	FULL VESSEL: 4,900 LBS APPROX. @ 1.2 S.G.
<b>TESTING PRESSURE:</b>	
VESSEL: 0	JACKET: 140 PSIG

**WELDING SPECIFICATIONS:**  
LISTED SPECS. ARE APPROVED FOR USE UNLESS OTHERWISE NOTED ON THIS DRAWING

W101A	R8	W111	R6
W101S	R4	W251	R5
W101P	R0	W113	R1
W102B	R3	WCB 1000	R7

<b>WELDING WIRE SPECIFICATIONS:</b>	
SS TO SS GTAW (TIG)	ER316LSI WIRE
SS TO SS GMAW (MIG)	ER316LSI WIRE
SS TO SS FCAM (FLUX CORE)	ER316LTO-1 WIRE
SS TO SS FCAM (FLUX CORE)	ER316LTO-4 WIRE

**CIP REQUIRED:**  
40 GPM @ 25 PSIG  
80 GPM @ 25 PSIG  
TOTAL

**DESIGN DATA**

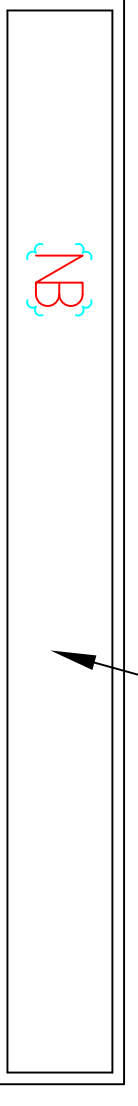
<b>VESSEL WORKING CAPACITY:</b>	300 GALLONS
<b>TANK DESIGN CONDITIONS:</b>	ATMOSPHERIC OPERATION SANITARY CONSTRUCTION FOR PEANUT BUTTER SEISMIC DESIGN: IBC 2009-SITE CLASS 'D'
<b>VESSEL MATERIAL:</b>	<b>SPEC.</b> SA-240 <b>GRADE</b> 304 <b>THICKNESS/CLASS</b> 10 GA (0.1350") <b>NOTES</b> 48" I.D.
<b>SHELL:</b>	SA-240 304 10 GA (0.1350") 48" I.D.
<b>TOP HEAD (F&amp;D):</b>	SA-240 304 7 GA (0.1874") 54" I.D.
<b>BOTTOM HEAD (TORICONICAL):</b>	SA-240 304 7 GA (0.1874") 48" I.D. - 120° INCLUDED ANGLE
<b>SANITARY FERRULES:</b>	SA-479 304
<b>PRODUCT CONTACT TUBING:</b>	SA-249 304
<b>SIDEWALL SHEATHING:</b>	SA-240 304 12 GA (0.1054")
<b>BOTTOM SHEATHING (TORICONICAL):</b>	SA-240 304 10 GA (0.1350") 54" I.D. - 120° INCLUDED ANGLE
<b>PROJECTILE WELL:</b>	SA-479 316L

<b>HEAT TRANSFER:</b>	
<b>CHANNEL SIDEWALL:</b>	SA-240 304 16 GA. (0.0595") 29 SQ FT (0.47 CU FT) (1) ZONE
<b>SIDEWALL MANIFOLD:</b>	SA-240 304 10 GA. (0.1350") 10 GA (0.1350") 7/8" x 2-7/8"
<b>DIMPLE JACKET (BOTTOM):</b>	SA-240 304 14 GA (0.0751") 8.5 SQ. FT. TOTAL (0.12 CU-FT)-(1) ZONE
<b>MANIFOLDS:</b>	SA-240 304 10 GA (0.1350") 10 GA (0.1350") C'/L' MANIFOLDS - 1" x 2-1/4"
<b>PIPE NIPPLES:</b>	SA-312 304 SCH 40

<b>OTHER MATERIAL:</b>	
<b>LIFT LUGS:</b>	SA-240 304 -
<b>LEGS:</b>	SA-312 304 3" SCH 40 -
<b>LEG BRACING:</b>	SA-249 304 1-1/4" O.D. TUBE -
<b>MOTOR RAILS:</b>	SA-312 304 2" SCH 40 -
<b>AGITATOR SHAFT:</b>	SA-312 304 2-1/2" SCH 40 -
<b>SCRAPER FRAME:</b>	SA-312 304 3" SCH 40 -
<b>BAFFLE:</b>	SA-240 304 10 GA (0.1350") -
<b>MANWAY GASKET:</b>	- FDA
<b>INSULATION (SIDEWALL AND BOTTOM):</b>	- 3" CHLORIDE AND ASBESTOS FREE SOFT FIBERGLASS

**SHOP TOLERANCES:**

<b>DEVIATION FROM VERTICAL:</b> ± 1/2"	<b>NOZZLES:</b> PROJECTION: SHORTEST DISTANCE FROM OUTSIDE SURFACE TO FLG. FACE ± 1/4"
<b>OUT OF ROUNDNESS:</b> ± 1" OF NOM. "D"	<b>DEVIATION FROM HORIZONTAL, VERTICAL OR INTENDED POSITION:</b> ± 1/2"
<b>HEADS:</b> OUTER PROFILE: NOT TO EXCEED 1.25" OF NOM. "D" INNER PROFILE: NOT TO EXCEED .625" OF NOM. "D"	<b>DEVIATION OF BOLT HOLES IN ANY DIRECTION:</b> ± 1/8" <b>DEVIATION FROM ANGULAR LOCATION:</b> ± 1/2"
<b>MANWAY:</b> LOCATION IN ANY PLANE ± 1/2"	<b>WELD FILLET SIZE:</b> + 1/8", - 0"
<b>SUPPORTS:</b> DEVIATION FROM ANGULAR LOCATION ± 1" DEVIATION FROM REFERENCE LINE ± 1/4"	



SEE ASME NOTE 5

CERTIFIED BY  
FELDMEIER EQUIPMENT, INC.  
LITTLE FALLS, NEW YORK, USA

VESSEL MAMP [xxx] PSI AT [xxx] °F  
EXTERNAL MAMP [xxx] PSI AT [xxx] °F  
VESSEL MDMT [xxx] °F  
JACKET MAMP [100] PSI AT [350] °F  
EXTERNAL MAMP [xxx] PSI AT [xxx] °F  
JACKET MDMT [-20] °F AT [100] °F  
YEAR BUILT [ ] SERIAL NO. [14E0573]  
TAG NUMBER [ ] MOC JACKET [304]  
MOC SHELL [304]

MADE IN THE UNITED STATES OF AMERICA

ASME NAMEPLATE STAMPING

QUOTE N 0807142s1	P.O. No. G-04230
<b>FELDMEIER EQUIPMENT</b> 575 E. Mill Street Little Falls, New York 13365	
DRAWN BY: JWR	ENGRG. Approved By CI
DATE 8/21/14	REV -
SOLD TO: THE C.F. SAUER CO. 728 N. MAIN ST. MAULDIN, SC, 29662	
SHIP TO: THE C.F. SAUER CO. 728 N. MAIN ST. MAULDIN, SC, 29662	
VERTICAL INSULATED JACKETED 'EPC' PROCESSOR	
QTY (1) 300 GALLON - 48" I.D.	DRAWING NO. 14E0573

NO.	ALTERATION	DATE	CHG BY

