

QUOTE N # 091441S2		P.O. No. 36148	
FELDMER EQUIPMENT			
575 E. Mill Street Little Falls, New York 13365			
DRAWN BY: RGF	ENGR. Approved By	AI	REV B
DATE 1/26/05	<i>W. G. [Signature]</i>		SHEET: 2 of 2
QTY (1) 200 GALLON - 48" I.D. VERTICAL INSULATED 'EP' FLAT BOTTOM PROCESSOR TANK			
SOLD TO: B-T ENGINEERING, INC 29 BALA AVE. S 209, BALA CYNWYD, PA 19004			

TAG#	SIZE	QTY.	DESCRIPTION	SERVICE
A	16"	1	STANDARD MANWAY W/ HINGED COVER, GASKET & HOLD DOWN	MANWAY
B	3"	1	STANDARD VENT ASSEMBLY W/ SCREEN & SHROUD	VENT
C	2"	1	2" HORIZONTAL SANITARY CLAMP CONNECTION IN BOTTOM HEAD (LESS VALVE)	OUTLET
D	2"	1	2" SANITARY CLAMP CONNECTION IN TOP HEAD	INLET
A E	-	1	VERTICAL ON CENTER MOUNTED 36" DIA. 2 BLADED BOTTOM SWEEP AGITATOR POWERED BY A 2 HP SINGLE SPEED TEFC NORD SK92772 GEAR MOTOR OPERATING AT 32 RPM 230/460/60/3 (LESS SWITCH) INCLUDES: SS MOTOR SUPPORTS, SPRING LOADED CIP SEAL ON SHAFT, BOTTOM SHAFT GUIDE WITH REPLACEABLE NYLON BEARING, REMOVABLE/ADJUSTABLE BAFFLE AND FOOD GRADE LUBRICANT IN THE GEARBOX	AGITATION
F	1-1/4"	1	PROJECTILE WELL FOR INDICATING THERMOMETER (LESS THERMOMETER) ANDERSON EQUIVALENT #41247, TAYLOR EQUIVALENT #26P397	THERMOMETER
G	1-1/4"	1	PROJECTILE WELL FOR RECORDER (LESS RECORDER) ANDERSON EQUIVALENT #41247, TAYLOR EQUIVALENT #26P397	RECORDER
H	1.5"x3"	1	1-1/2" SANITARY CLAMP CONNECTION W/ DUAL SPRAY BALL UNIT, REMOVABLE, MOUNTED IN A 3" SANITARY CLAMP CONNECTION	CIP
J	3"	4	STAINLESS STEEL PIPE LEGS WITH ADJUSTABLE BALL FEET	LEGS
B K	1-1/2"	4	STAINLESS STEEL PIPE NIPPLES FOR HEAT TRANSFER (LESS CONTROLS)	HEAT TRANSFER
L	-	2	LIFTING LUGS	LIFTING LUGS


GENERAL NOTES:

- SHEATHING PENETRATIONS FLARED & SILICONE CAULKED.

ASME NOTES:

- MATERIALS & CONSTRUCTION PER ASME SECTION VIII, DIV 1, 2004 EDITION.
- ALL WELDERS AND WELDING PROCEDURES ARE CERTIFIED IN ACCORDANCE WITH ASME SECTION IX.
- SEE NAMEPLATE DETAILS FOR CODE STAMPING REQUIREMENTS.
- VESSEL IS EXEMPT FROM IMPACT TESTING PER UHA-51(d&e).
- NATIONAL BOARD NUMBER TO BE ASSIGNED AT VESSEL COMPLETION.
- YEAR IN WHICH COMPLIANCE WITH ALL CODE REQUIREMENTS HAVE BEEN MET IS TO BE STAMPED IN THIS SPACE.
- HEAT TRANSFER DESIGN OPTIONS; SIDE WALL: CW07, BOTTOM: CW11.
- 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).
- REFER TO BILL OF MATERIALS #E-019-05 FOR SUB ASSEMBLIES.

SEE ASME NOTE 5

	
CERTIFIED BY FELDMER EQUIPMENT, INC. Little Falls, NY, USA	
VESSEL MAWP: <input type="text" value="XXX"/> PSI AT <input type="text" value="XXX"/> F	<input type="text" value="XXX"/> F AT <input type="text" value="XXX"/> PSI
MIN. DESIGN METAL TEMP. <input type="text" value="XXX"/> F AT <input type="text" value="XXX"/> PSI	<input type="text" value="XXX"/> F AT <input type="text" value="XXX"/> PSI
JACKET MAWP: <input type="text" value="100"/> PSI AT <input type="text" value="350"/> F	<input type="text" value="100"/> F AT <input type="text" value="100"/> PSI
MIN. DESIGN METAL TEMP. <input type="text" value="-20"/> F AT <input type="text" value="100"/> PSI	<input type="text" value="100"/> F AT <input type="text" value="100"/> PSI
YEAR BUILT: <input type="text"/> SERIAL NO. <input type="text" value="E-019-05"/>	<input type="text"/>
MADE IN THE UNITED STATES OF AMERICA	

SEE ASME NOTE 6

ASME NAMEPLATE STAMPING

INTERNAL FINISH SPECIFICATION:	
MATERIAL:	#4 FINISH
WELDS:	150 GRIT
EXTERNAL FINISH SPECIFICATION:	
MATERIAL:	#4 FINISH #2B FINISH ON FLAT BOTTOM
WELDS:	150 GRIT
EXCEPTIONS:	WELDS CLEANED ONLY TO REMOVE DISCOLORATION
MOTOR SUPPORTS, FLAT BOTTOM TRIM LIFTING LUGS & MANWAY HOVR	

WEIGHTS:	
APPROXIMATE EMPTY VESSEL:	3,123 LBS
FULL @ NOM. CAPACITY:	3,123 LBS
APPROX. USING PRODUCT S.G. = 1.0	

OTHER DATA:	
CORROSION ALLOW:	0

TESTING PRESSURE:	
VESSEL:	0
JACKET:	140 PSIG

CIP REQUIRED:	40 GPM @ 25 PSIG PER SPRAY BALL
	80 GPM @ 25 PSIG TOTAL

WELDING SPECIFICATIONS:			
LISTED SPEC'S. ARE APPROVED FOR USE UNLESS OTHERWISE NOTED ON THIS DRAWING			
W101A	R5	WCB 900	R8
W102B	R2	WCB 1000	R7
W111	R3		
W101S	R1		

B QTY WAS 6

A ITEM E WAS NORD SK9221 VZ-90L/4 GEAR MOTOR OPERATING AT 75 RPM 18/1/05

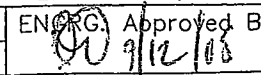
DESIGN DATA

VESSEL WORKING CAPACITY: 200 GALLONS				
VESSEL DESIGN:			HEAT TRANSFER (ASME 'UM' CODE):	
ATMOSPHERIC OPERATION FOR CHEESE DRESSING			PRESSURE: 100 PSIG MAX. TEMP.: 350 F MIN. TEMP.: -20 F	
VESSEL MATERIAL:	SPEC.	GRADE	THICKNESS/CLASS	NOTES
SHELL:	SA-240	304	10 GA (0.1350")	48" I.D.
TOP HEAD (F&D):	SA-240	304	7 GA (0.1874")	54" I.D.
BOTTOM HEAD (FLAT FLANGED):	SA-240	304	7 GA (0.1874")	PITCHED 3/4" PER FOOT
SANITARY FERRULES:	SA-479	304		
SIDEWALL SHEATHING:	SA-240	304	12 GA (0.105")	
FLAT BOTTOM SHEATHING:	SA-240	304	12 GA (0.105")	
PRODUCT CONTACT TUBING:	SA-249	304		
PROJECTILE WELL:	SA-479	316L		
HEAT TRANSFER JACKET:				FOR WATER OR STEAM
CHANNEL JACKET-SIDE:	SA-240	304	16 GA (0.0595")	17 SQ. FT (1) ZONE
CHANNEL JACKET MANIFOLDS-SIDE:	SA-240	304	10 GA (0.135)	'C' MANIFOLDS 7/8" x 2-7/8"
CHANNEL JACKET-BOTTOM:	SA-240	304	16 GA (0.0595")	9.2 SQ FT (1) ZONE
CHANNEL JACKET BOTTOM MANIFOLDS:	SA-240	304	10 GA (0.135)	1-5/8" x 1-5/8" 'L' MANIFOLD
PIPE NIPPLES:	SA-312	304	1-1/2" SCH 40	-
OTHER MATERIAL:				
LEG SOCKETS:	SA-479	304	2" NPTM THREAD	
LEGS:	SA-312	304	2" SCH 40	W/ADJUSTABLE BALL FEET
MOTOR RAILS:	SA-312	304	2" SCH 40	
INSULATION: SIDEWALL	3" CHLORIDE & ASBESTOS FREE SOFT FIBERGLASS			
INSULATION: BOTTOM	3" CHLORIDE & ASBESTOS FREE SOFT FIBERGLASS			
SWEEP BLADES:	SA-240	304		
AGITATOR SHAFT:	SA-312	304	2" SCH 40	
MANWAY GASKET:	SILICONE			
LIFT LUGS:	SA-240	304		

SHOP TOLERANCES:

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

ITEM 2.2L

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