

TAG	SIZE	QTY.	DESCRIPTION	REFERENCE DRAWING	SERVICE
A	20"	1	STANDARD MANWAY WITH HINGE, GASKET AND HOLD DOWN	6021588	MANWAY
B	3"	1	STANDARD SCREEN VENT	6026255	VENT
C	3"	1	SANITARY CLAMP CONNECTION		OUTLET
D	3"	3	SANITARY CLAMP CONNECTION		INLET
E	-	2	LIFTING LUGS (NOT SHOWN)		LIFTING LUGS
F	-	1	BOTTOM SWEEP AGITATOR WITH REMOVABLE ADJUSTABLE BAFFLE, 5 HP SINGLE SPEED TEFC MOTOR, OPERATING @ 43 RPM, 230/460/60/3 (LESS SWITCH) INCLUDES SPRING LOADED SEAL ON AGITATOR SHAFT & SS MOTOR SUPPORTS.	4030564 2500725	AGITATION
G	-	1	LEVEL SHELL ONLY ANDERSON SHORT SHELL (71060-A4) LESS TRANSMITTER	4030283	LEVEL SHELL
H	-	6	SS PIPE LEGS W/ ADJUSTABLE BALL ENDS		LEGS
J	1-1/2"x3"	1	1-1/2" SANITARY CLAMP CONNECTION WITH A REMOVABLE SPECIAL TEE-STYLE SPRAY BALL UNIT MOUNTED IN A 3" SANITARY CLAMP CONNECTION (UNIT HAS (3) SPRAY-BALLS)	-	CIP
K	1-1/2"	1	SANITARY CLAMP CONNECTION IN SIDEWALL FOR SAMPLE VALVE - (LESS VALVE)		SAMPLE

**DESIGN DATA**

VESSEL OPERATING CAPACITY: 4,000 GALLONS

VESSEL DESIGN:  
ATMOSPHERIC @ AMBIENT

VESSEL MATERIAL:	SPEC:	GRADE	THICKNESS/CLASS	NOTES
SHELL:	SA-240	304	12 GA (0.105")	110" I.D. x 102" STR. SIDE
TOP F&D HEAD:	SA-240	304	10 GA (0.135")	110" I.D.
BOTTOM FLAT HEAD :	SA-240	304	7 GA (0.187")	110" I.D. 3/4" PITCH
SANITARY FERRULES:	SA-479	304		
LEVEL SHELL:	SA-479	316L		
<b>OTHER MATERIAL:</b>				
LEGS:	SA-312	304	4" SCH 40	
FEET:	SA-312	304	3" SCH 40	ADJUSTABLE W/ BALL ENDS
BOTTOM BRACING:	SA-240	304	3/8" x 6"	
AGITATION REINFORCEMENT PLATE:	SA-240	304	1/4" x 24" DIA	
BOTTOM BACKER PLATE:	SA-240	304	1/4" x 105" DIA	
AGITATION SHAFT:	SA-312	304	2-1/2" SCH 40	
LIFT LUGS:	SA-240	304		NOT SHOWN
MOTOR SUPPORTS:	SA-312	304	3" SCH 40	

**GENERAL NOTES:**

- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
- ALL FERRULES & NOZZLES ARE TO BE INSTALLED FLUSH WITH VESSEL I.D..
- COVER ALL FERRULES & NOZZLES WITH PROTECTORS FOR SHIPMENT.
- ALL GROOVE & BUTT WELDS TO BE FULL PENETRATION UNLESS NOTED OTHERWISE.
- ALL PRODUCT CONTACT SURFACES TO BE TYPE 304 SS UNLESS OTHERWISE NOTED.

INTERNAL FINISH SPECIFICATION:	
MATERIAL:	#4 FINISH
WELDS:	150 GRIT
EXTERNAL FINISH SPECIFICATION:	
MATERIAL:	#4 FINISH
WELDS:	150 GRIT
LEGS & BRACING LIFT LUGS, MOTOR SUPPORTS, MANWAY HARDWARE	UNIFORMLY MASKED AND CLEANED ONLY TO REMOVE WELD DISCOLORATION.

WEIGHTS:	
EMPTY VESSEL:	3,100 LBS

OTHER DATA:	
CORROSION ALL.:	0

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 ± 1/2" 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"

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

111911JT1-REV TREDWAY P.O. No. 193053

**FELDMEIER EQUIPMENT**

575 E. Mill Street  
Little Falls, New York 13365

RSS ENGRG. Approved By AI REV D

DATE 12/28/01 DKB 01/22/02 SHEET: 1 of 2

QTY (1) 4,000 GALLON -110" I.D. x 102" STR. SIDE  
VERTICAL SINGLE SHELL 'CVF' TANK

○	REVISED SPRAY-UNIT-INCLUDE EXTRA BALL TO CLEAN BAFFLE	8/12/02	CMM
◇	OUTLET HEIGHT WAS 18"	1/22/02	CMM
□	ITEM 'A' WAS 18" MANWAY RELOCATED ITEMS 'B', 'J' & 'D' ITEMS 'C' & 'D' WERE 2-1/2" 'S' CONN'S ADDED ITEM 'K' SEPARATED DWGS PER ORIENTATION REVISION	1/21/02	CMM
□	REVISED OUTLET & LEGS STR. SIDE WAS 108", O.A.H. WAS 170"	1/11/02	RSS
No.	ALTERATION	DATE	CHG. BY

DRAWING NO.  
A-688-01

