


ASSEMBLY No.: A-224982

- NOTES:
1. NOMINAL (ASH) VOLUME: 35 CF (1000 L)
  2. ACTUAL VOLUME: 40.5 CF (1150 L)
  3. DESIGN PRESSURE: 20 PSIG (1.4 bar)
  4. DESIGN TEMPERATURE:  
MAX 350 °F (177 °C), MIN -20 °F (-29 °C)
  5. APPROXIMATE TARE WEIGHT 1800 lbs (820 kg)
  6. TOTAL DESIGN WEIGHT: 4155 LBS (1885 kg)
  - INCLUDES:  
35 CF OF ASH @ 55 LBS/CF (880 kg/m<sup>3</sup>) - 1925 LBS (875 kg)  
OUTLET TEE - 280 LBS (127 kg)  
EQUALIZER VALVE - 150 LBS (68 kg)
  7. DIMENSIONAL UNITS SHOWN AS: INCHES [mm]

PARTS LIST			
PART No.	QTY	ITEM NUMBER	DESCRIPTION
1	1	225746	35 CF AIRLOCK TANK
2	2	225383	8" RING GASKET
3	2	15194-30	LOWER CHAMBER
4	2	A-224715-1	DECK PLATE STOCK ASSEMBLY
5	6	16772	GASKET, 8"X10"
6	6	15507-2	HANDHOLE COVER
7	4	101926	3/4-10 x 3 1/4" SQUARE HEAD BOLT
8	2	102306	3/4-10 x 6 1/2" SQUARE HEAD BOLT
9	6	15506	YOKE
10	6	101311	3/4" USS PLAIN WASHER
11	22	100465	HEX NUT, 3/4-10, GR. 2H
13	4	A-19037	AERATION ASSEMBLY
14	8	101164	3/4-10 x 3" STUD
15	16	100363	3/4" LOCK WASHER, STEEL
16	8	100906	3/4-10 x 3-1/4 Lg Hex Head Bolt, Steel
17	3	101384	CLEVIS, 1/2-20 THREAD
18	3	7280-4	CLEVIS PIN
19	3	X167-20	1/2-20 x 20" THREADED ROD
20	6	100456	1/2-20 HEX NUT, STEEL
21	49	100056	1/2-13 X 2" HEX HEAD BOLT
22	49	100359	1/2" LOCK WASHER, STEEL
23	49	100457	1/2-13 HEX NUT
26	1	A-15050B	SIGHT GLASS ASSEMBLY
27	2	A-224717-4	SOLENOID VALVE & LIMIT SWITCH ASSEMBLY

- NOTES (CONT.):
8. AIR CYLINDER REQUIREMENTS:  
CLEAN MOISTURE FREE AIR @ 70-120 PSIG (4.9-8.4 kg/cm<sup>2</sup>)  
0.0454 CF (1288 cc) PER GATE STROKE
  9. AERATION REQUIREMENTS:  
10 SCFM (0.032 Nm<sup>3</sup>/min) OF CLEAN DRY AIR AT 25 PSIG (1.7 barg) OR 5 PSIG (0.35 barg) ABOVE INTERNAL TANK PRESSURE

INTERPRET PER ASME Y14.5-2009						DRAWN BY PAG 7/8/2011	 <b>Allen-Sherman-Hoff</b> a Division of Diamond Power International, Inc. EXTON, PENNSYLVANIA, USA	35 CF (1000 L) STYLE IV AIRLOCK ASSEMBLY  LOW TEMPERATURE, 24V DC SOLENOIDS "CE" MARKED	CONTRACT 211167-01	
						CHECKED BY CMH 7/11/2011			DWG D-7856	REV
						APPROVED BY			SCALE: 1/10 SHEET 1 OF 1	
REV	DATE	REV BY	CKD BY	ENG APP	REVISION RECORD					