



Models – 8798SB, 8798SBW, 8798SV, 8798SVW

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PRODUCT INFORMATION

Please take a moment to fill out the information below in order to aid us with any future sales or service inquiries. Model number and serial number information can be found on the serial tag located inside the control box and/or on the lower exterior of the can. Key number can be found on the tag that comes attached to the keys. There may be more than one key number depending on unit.

Please keep this information with your records.

MODEL#:_____

SERIAL#:_____

KEY NUMBER(S):_____

DATE PURCHASED:_____

DISTRIBUTOR:_____

**J.E. Adams Industries
1025 63rd Ave. S.W.
Cedar Rapids, IA 52404
1-800-553-8861
www.jeadams.com**

Specifications

<u>Unit specifications:</u>	8798 SERIES
Voltage:	120VAC @ 60 HZ
Amperage:	(1) 15 amp service is required
Compressors:	¾ HP, twin cylinder Gast
Water Solenoid:	120VAC @ 60 HZ
Timer:	SSAC or 8712-JEA Mastercount timer
Weight:	112 LBS, no packaging, 8798 machine only
Unit Labeling:	Air "8798" SSAC timer "S" Water "W" Base Ground Mount "B" Vault "V"

DUTY CYCLE: 4 minutes on, 4 minutes off.

NOTE: "UNIT INTENDED FOR COMMECIAL USE ONLY"

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING (THIS APPLIANCE)

WARNING – To reduce the risk of fire, electric shock, or injury:

- Use only as described in manual. Use only manufactures recommended attachments.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dirt and anything that may reduce flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not use near flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not use near anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Products such as "Fix-A-Flat" are highly combustible and cannot be used in conjunction with air machine!



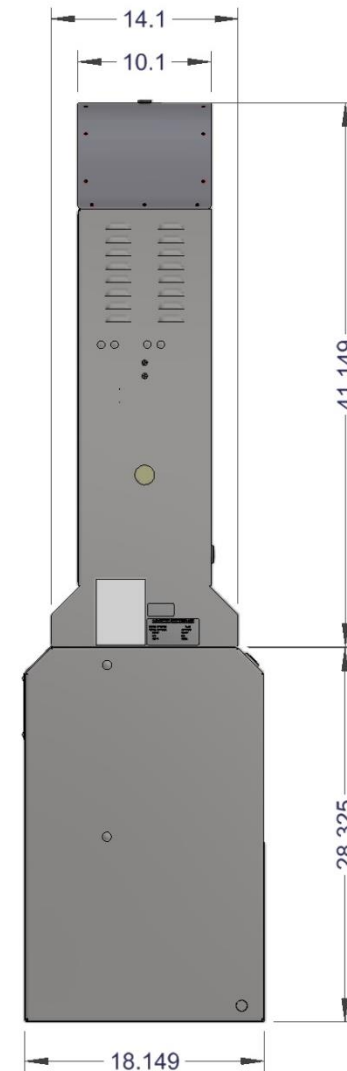
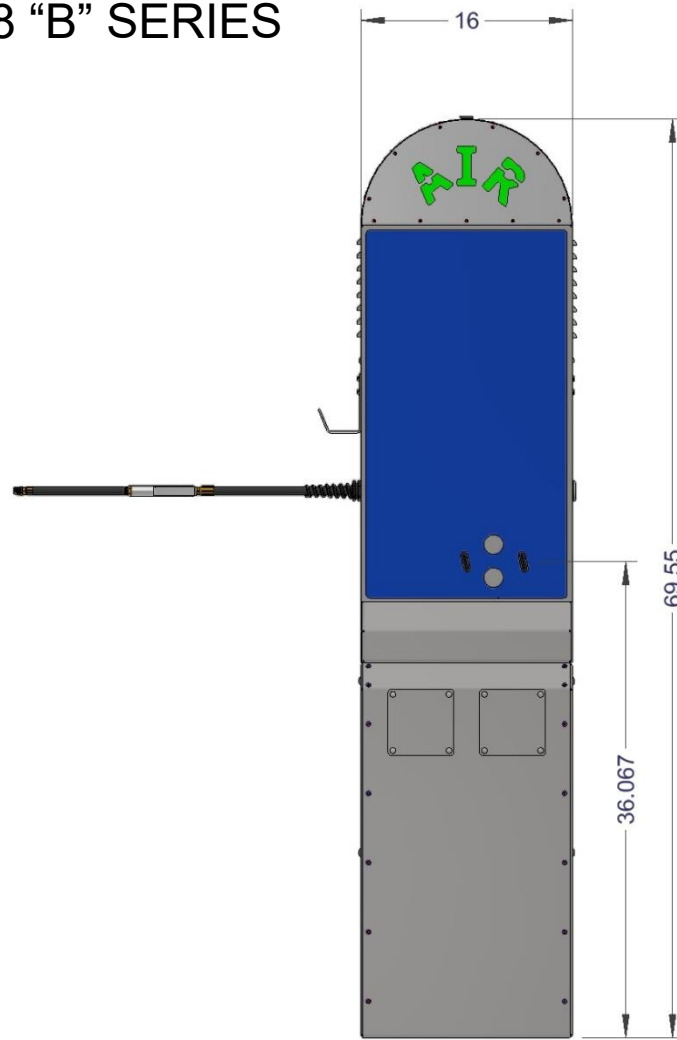
SAVE THESE INSTRUCTIONS



- **Installation Instructions:**
- Determine location to mount unit ("**DANGER**" "**THIS EQUIPMENT INCORPORATES PARTS SUCH AS SWITCHES, MOTORS, OR THE LIKE THAT TEND TO PRODUCE ARCS OR SPARKS THAT CAN CAUSE AN EXPLOSION. WHEN LOCATED IN GASOLINE-DISPENSING AND SERVICE STATIONS INSTALL AND USE AT LEAST 20 FEET (6 M) HORIZONTALLY FROM THE EXTERIOR ENCLOSURE OF ANY DISPENSING PUMP AND AT LEAST 18 INCHES (450 MM) ABOVE A DRIVEWAY OR GROUND LEVEL.**")
- Run electrical service to that location.
- **Grounding Instructions:** This appliance must be connected to a grounded metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.
- All local and national electric codes must be followed for installation and use.
- Licensed electricians are recommended for installation.
- Licensed plumbers are recommended for installation (water machines)

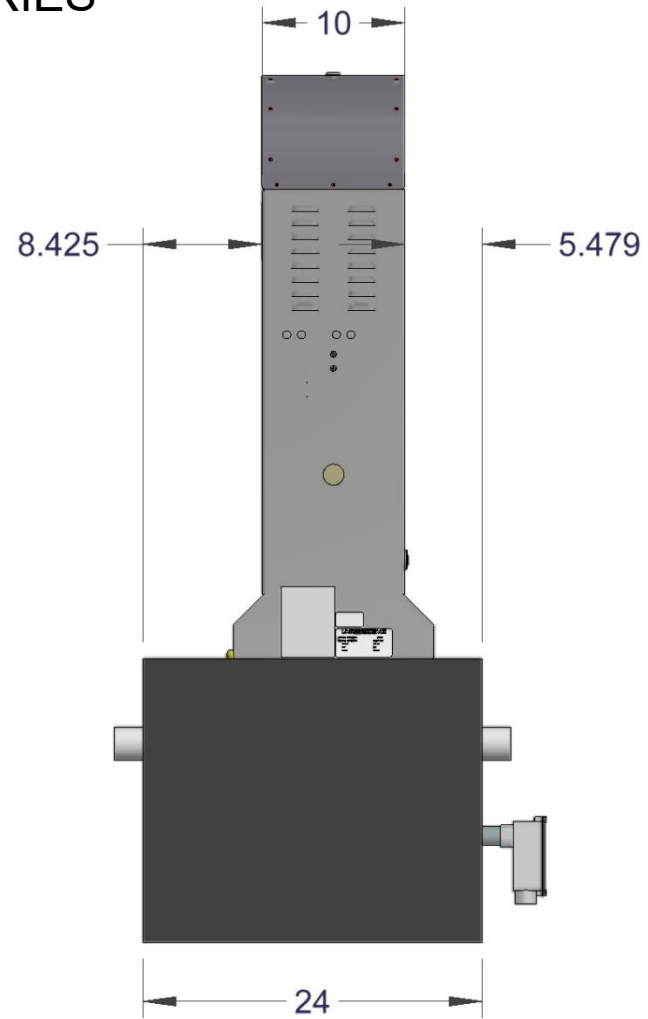
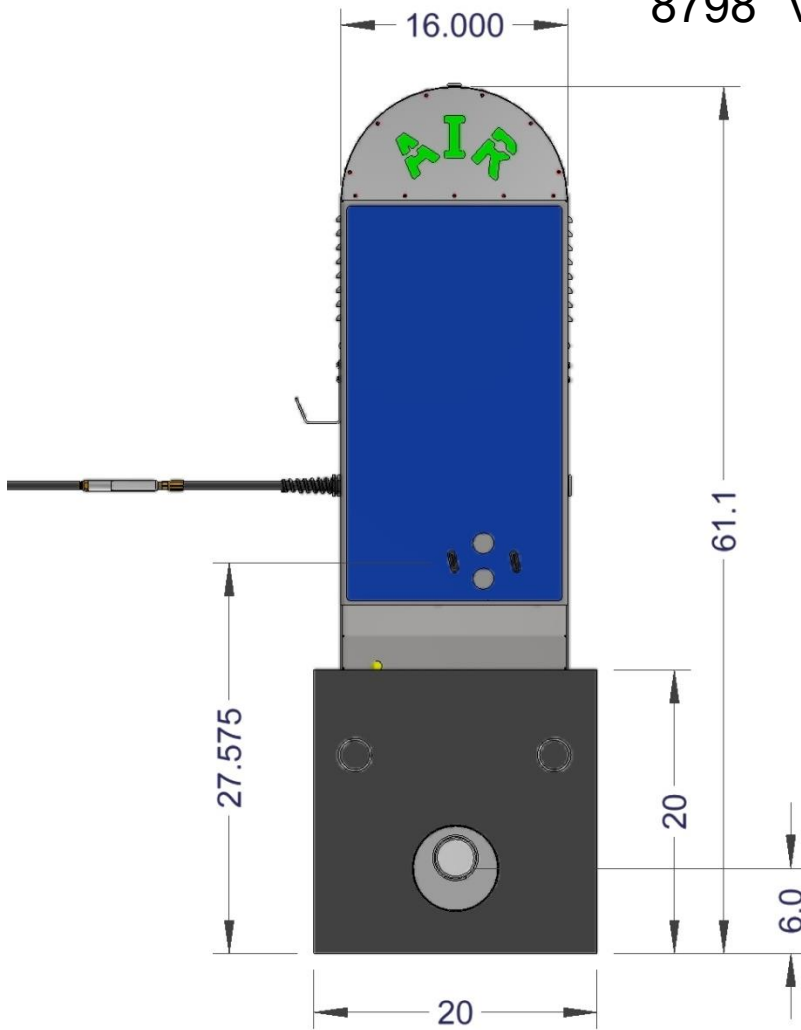
PRODUCT DIMENSIONS

8798 "B" SERIES

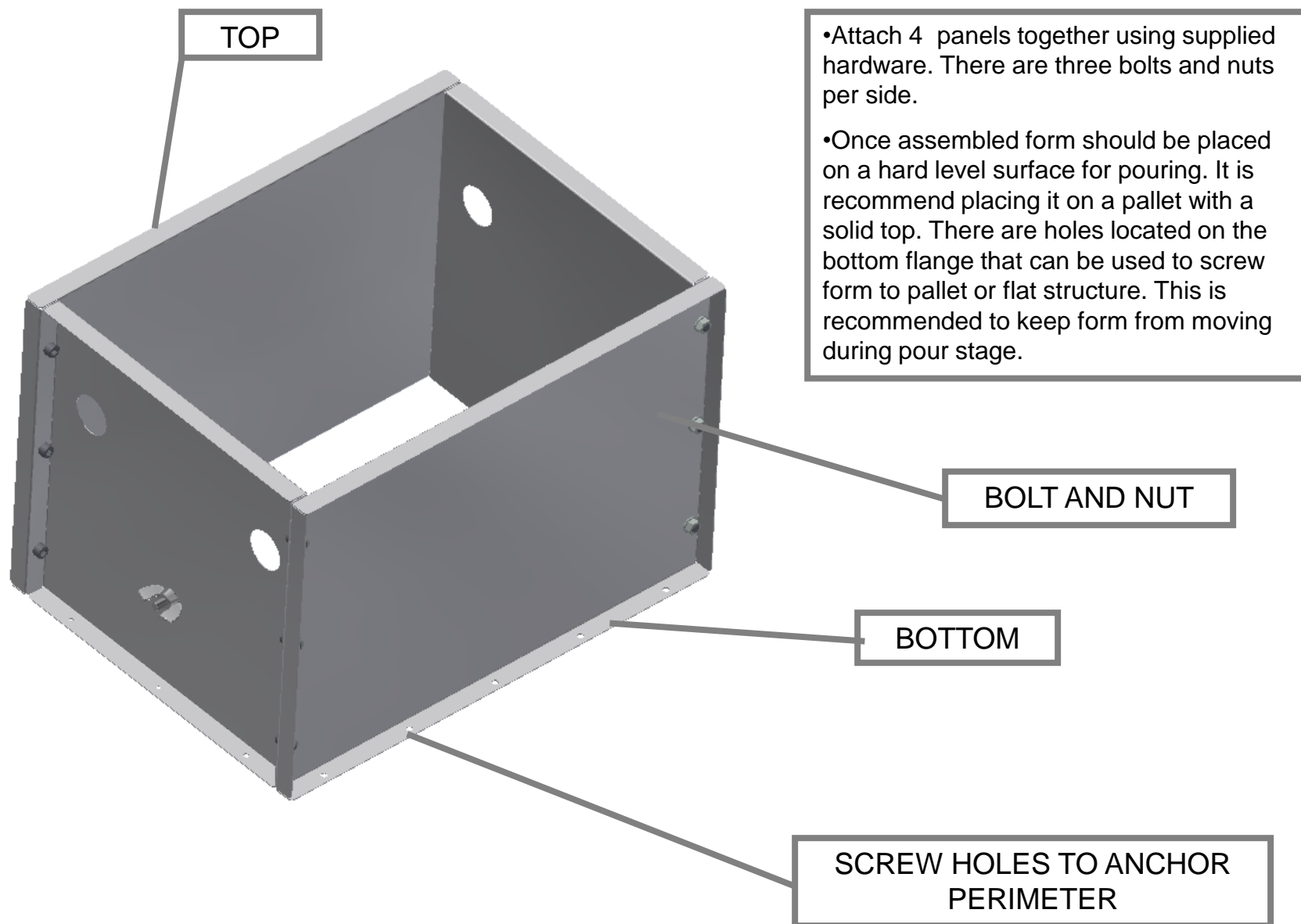


PRODUCT DIMENSIONS

8798 "V" SERIES

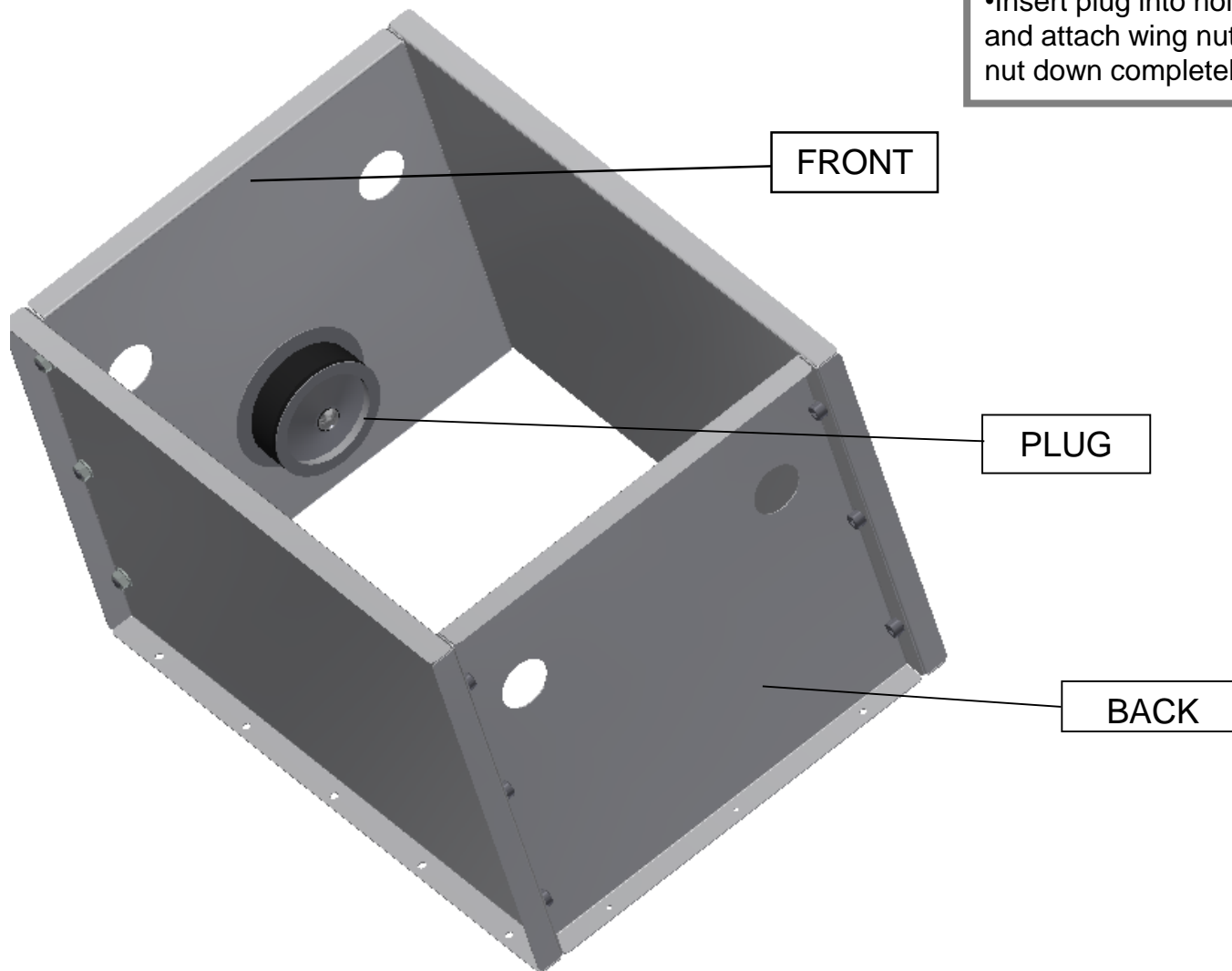


8685-6000A Vault Form (For "V" Series Units Only)

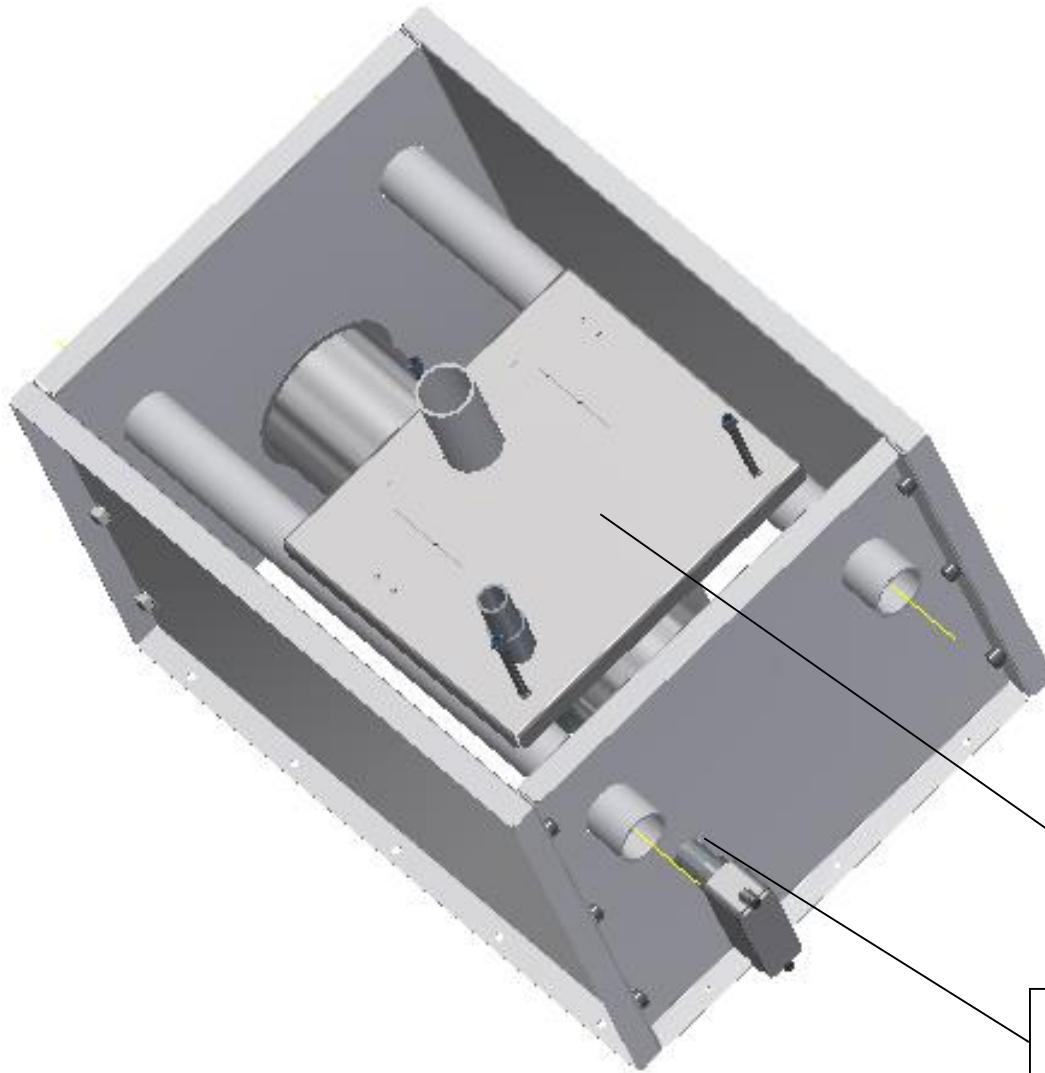


8685-6000A Vault Form (For "V" Series Units Only)

•Insert plug into hole on front side of form and attach wing nut. Do not tighten wing nut down completely at this point.



8685-6000A Vault Form (For "V" Series Units Only)



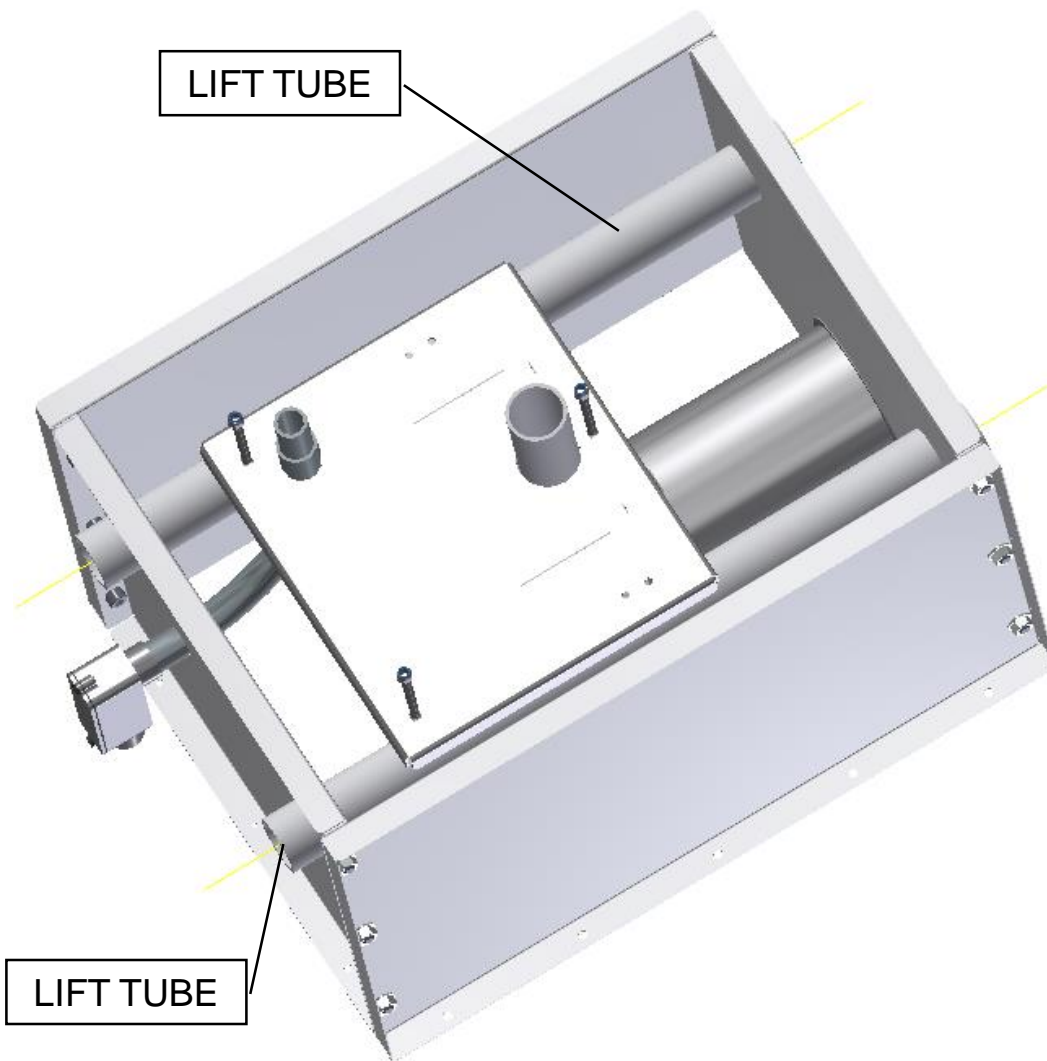
- Insert vault assembly into form.

- Place opening of vault over plug and press until it mates with form and tighten wing nut on front of form until the vault assembly is sealed and no movement is allowed.

8799-1000A VAULT ASSEMBLY

REMOVE KNOCKOUT IN BACK PANEL TO RUN CONDUIT OUT

8685-6000A Vault Form (For "V" Series Units Only)



- Insert lift tubes into holes in form. Make sure there is approximately 2" sticking out each end.

- If radius vertical corners are desired use caulking to fill inside corners of form and shape to radius. Suggested to caulk around tubes penetrating forms.

- At this point it is recommended to coat the inside of the form with a light coat of oil. This will aid in keeping the form from sticking to the concrete and allow it to be removed easier.

- Form is now ready for concrete. It is recommend using highway grade mix for best results

- Pour in concrete and make sure to fill all the crevices with mix. A concrete vibrate may also be used to make sure the mix spreads evenly. Do not over vibrate or concrete may become too thin.

- Wait 24-48 hours to dry. When dry remove screws from deck and remove bolts from form. Loosen wing nut on front and slide panels off concrete block. Save forms for another pour.

8685-6000A Vault Form (For "V" Series Units Only)

WIRE FROM ELECTRICAL BOX SHOULD COME OUT HERE. MAKE SURE THERE IS ENOUGH WIRE TO REACH MACHINE INCOMING POWER TERMINALS

- Once form is removed the block should look like this.
- Cut excess material from lift tubes to be flush with concrete. (4PL)
- Open up vault door and clean out any water or concrete residue from the inside of vault.
- Attach electrical box on back of concrete block.

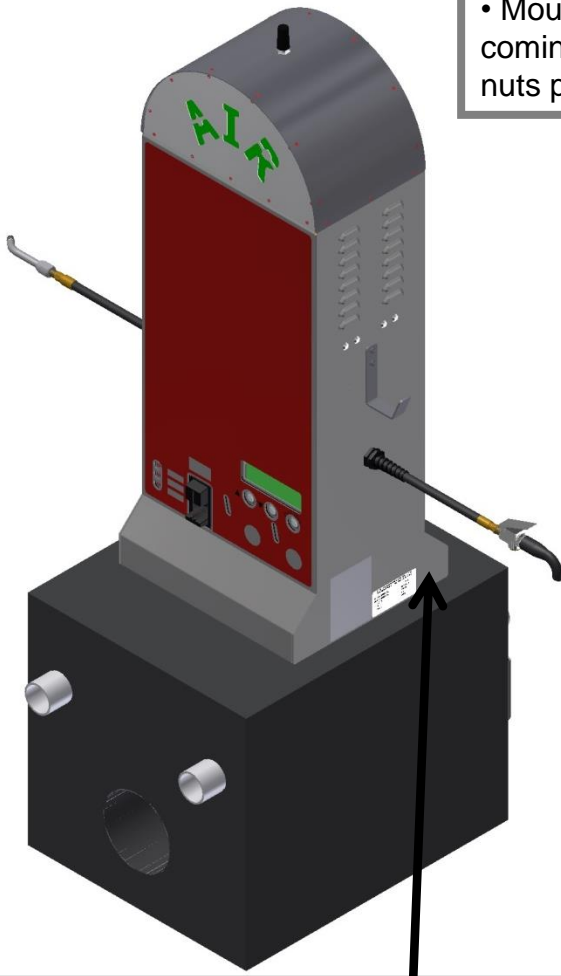
ELECTRICAL BOX

INCOMING ELECTRICAL TO HERE

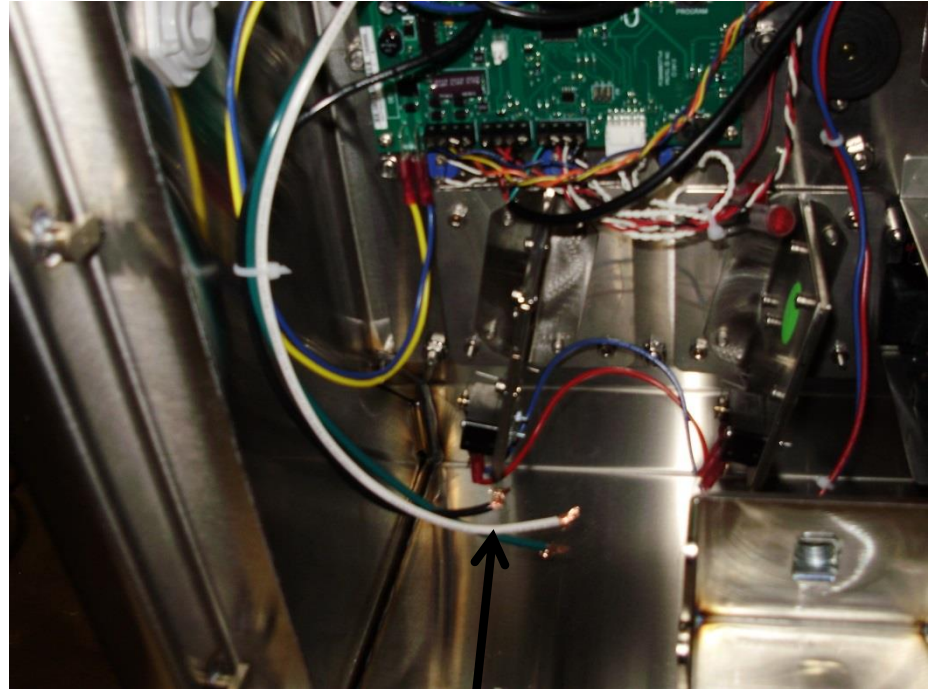
CUT LIFT TUBE FLUSH WITH BLOCK

8685-6000A Vault Form (For "V" Series Units Only)

- Mount unit on concrete using the studs coming out of the concrete. Attach using nuts provided.

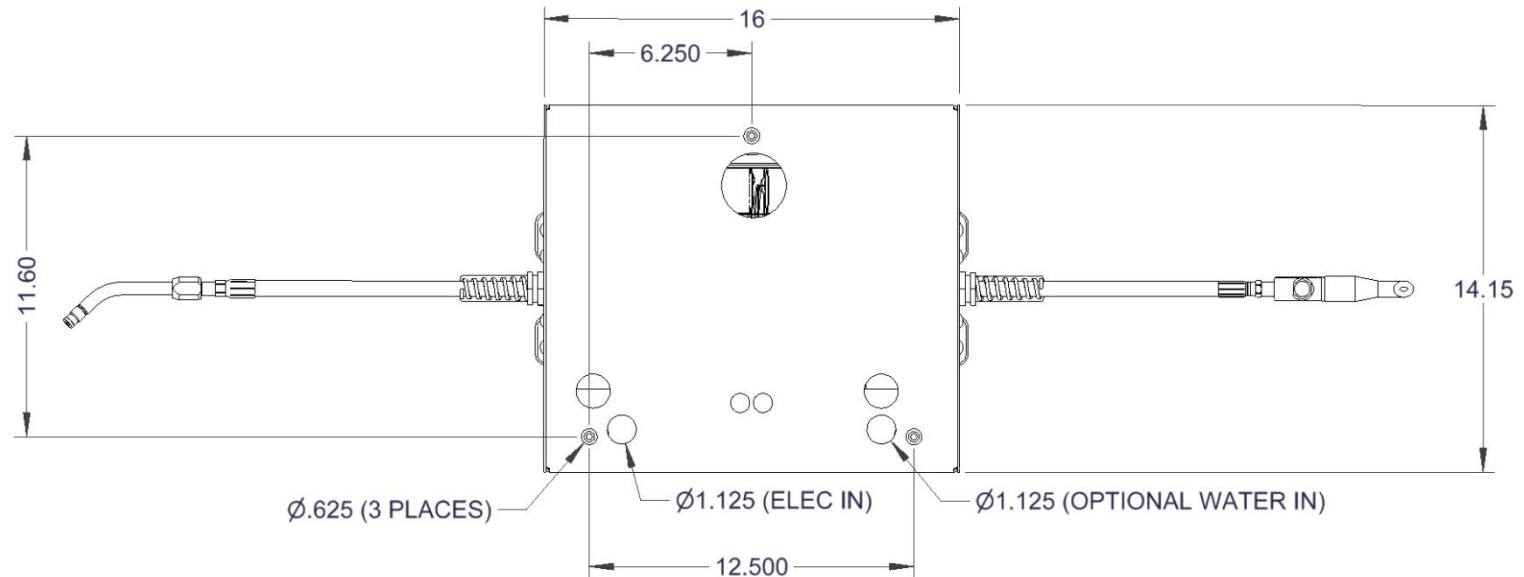


- If unit has water push out knockout in right lower side of unit and plumb water thru and into solenoid inside machine.



- Attach incoming wire to machine using the black, white and green pigtail as shown.

Installation for "B" series unit

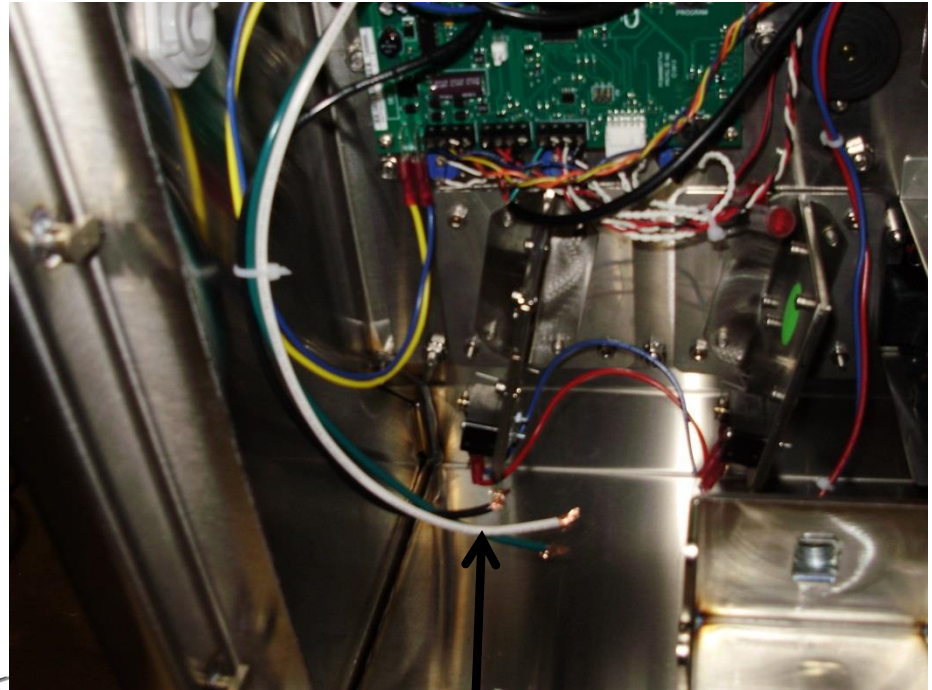


- Above drawings shows the mount pattern for the base mount unit. The single hole is the front machine.
- Determine your machine location and mark spots accordingly.
- It is recommended that 3/8" anchors be used to secure machine in place.

Installation for "B" series unit



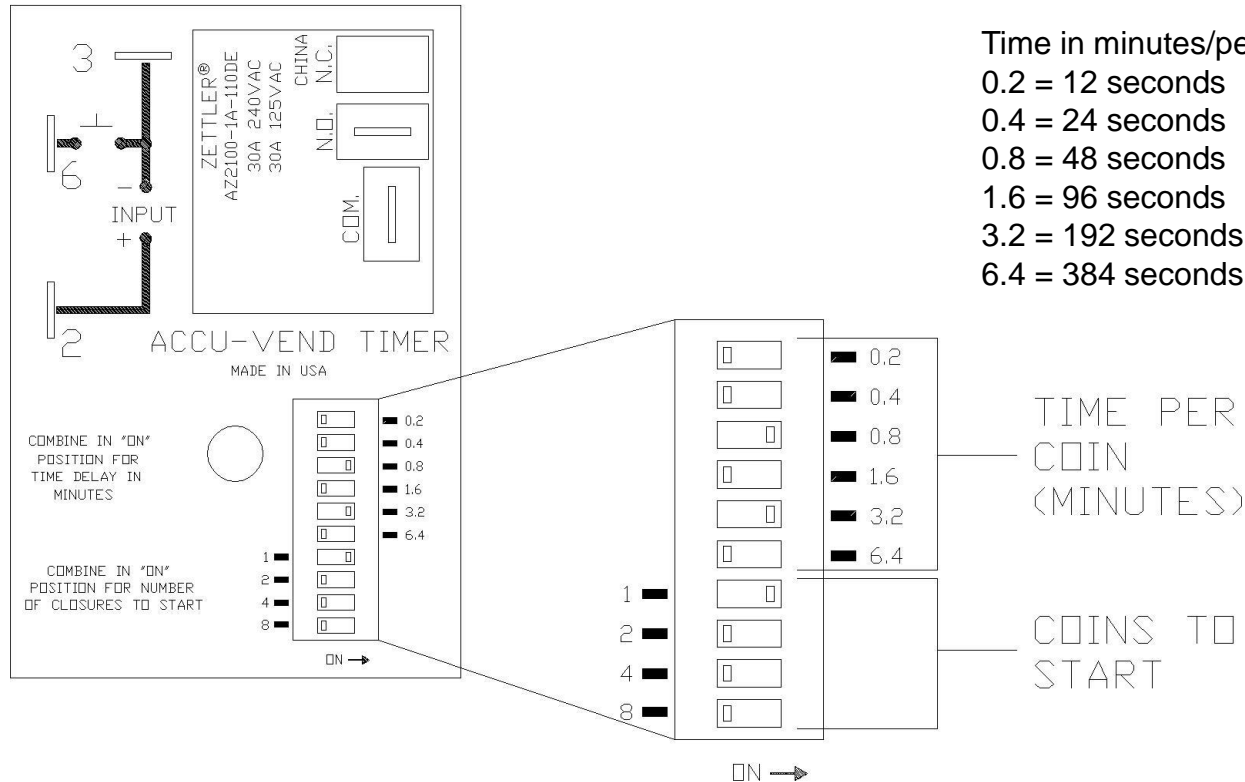
- If unit has water push out knockout in right lower side of unit and plumb water thru and into solenoid inside machine.
- Water can also be ran up from bottom of unit. See previous page for location.



- As shown on previous page electrical is to be plumbed thru bottom of unit.
- After machine is mounted and wire ran into cabinet attach incoming wire to machine using the black, white and green pigtail as shown.

Programming:

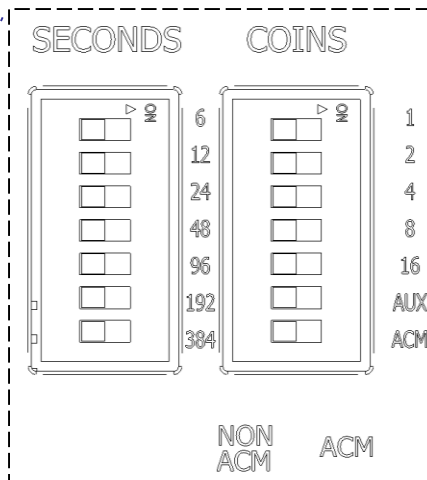
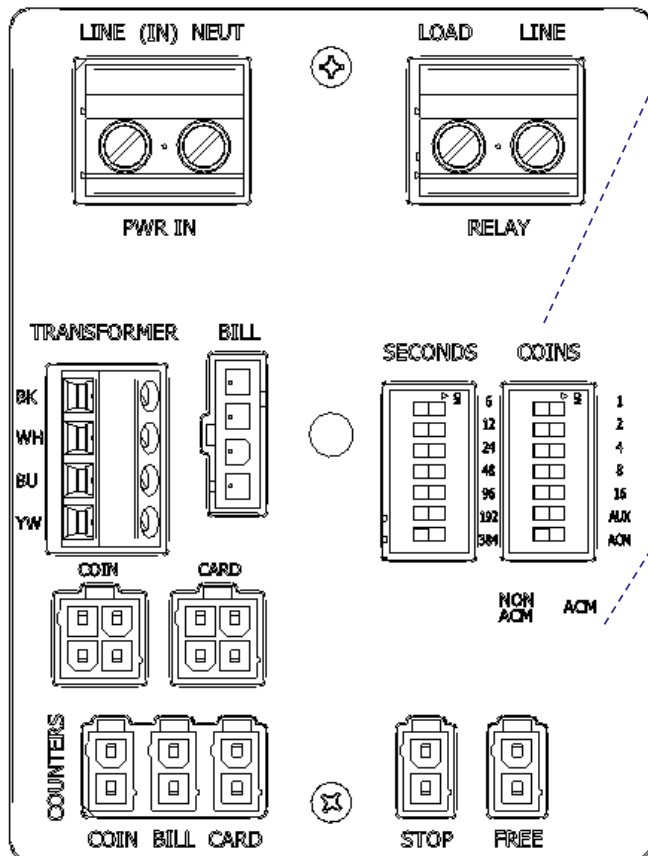
The below timer pictured is the standard SSAC or Infitec model that allows the end user to select the "coins to start" and the "time per coin" by settings series of dip switches. The number of "coins to start" dip switch is how many quarters are needed to make the machine come on. In the below example, the "one coin" dip is selected which makes the unit come on with one coin. The "time per coins" will then need to be set, but a good rule of thumb would be 4 minutes which requires dip switches 3.2 and .8 to be set to on. This scenario means 1 quarter will provide 4 minutes of vacuum time. The time per coin setting can be modified as desired by simply adding or subtracting time. If the operator would later decide to increase the cost of the unit to "2" quarters, the 2 dip switch would need to be in the on position (all other off) and the time dip switches would need to have the 1.6 and 0.4 dips selected. This would allow 2 minutes of time for each quarter for a total of 4 minutes for two quarters.



Programming (8712-JEA Timer):

JE Adams models manufactured after July of 2025 may have the JE Adams **Mastercount** timer. When using in paid vend situation select mode, "ACM" for accumulating or "NON ACM" for non-accumulating (bottom dip switch under "coins"). For a non-accumulating function, machine will run for total of seconds selected under "Seconds" switches and will start once "Coins" value is reached by user through pay methods. If extra money is added while machine is running it will not add time. If choosing to run in Accumulating Mode, set time to run PER COIN, not total time, then set for number of coins to start. In accumulating mode if money is added while machine is running, extra time will be added. If machine is free vend, start/stop switches are connected to "free" and "stop" ports on timer and unit will only run in non-accumulating mode for whatever time is set on the timer.

Any time switch settings are changed, timer must be powered off for minimum of 10 seconds for changes to take effect.



Example setting for NON Accumulating function with \$2.00 to start (8 quarters) for 4 minutes of run time = 240 seconds for 8 coins.

Move "8" on COIN switches to the right, bottom "NON-ACM" switch to the LEFT.

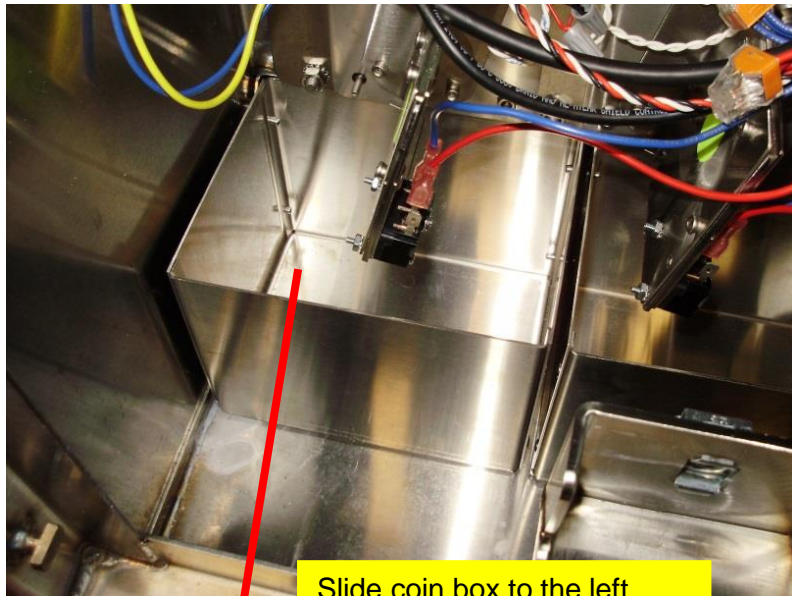
Move "48" and "192" on SECONDS switches to the right. -- 48+192=240 seconds

Example setting for, Accumulating function with \$2.00 to start (8 quarters) for 4 minutes of run time 4X60 secs. = 240 seconds / 8 coins = 30 seconds per coin.

Move "8" on COIN switches to the right, bottom "ACM" switch to the RIGHT.

Move "24" and "6" on SECONDS switches to the right. = 30 seconds

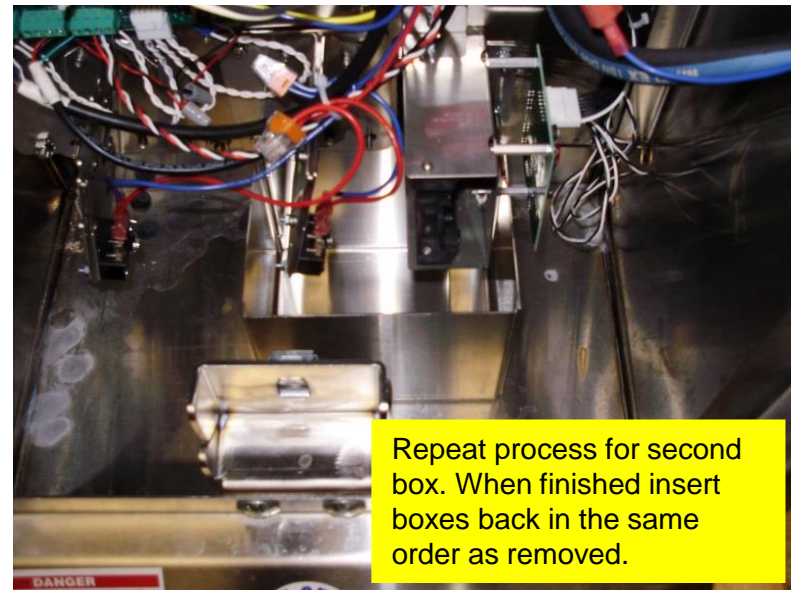
Coin Box Removal



Slide coin box to the left
back side of unit.



Lift out box as shown



Repeat process for second
box. When finished insert
boxes back in the same
order as removed.

Machine Operating Instructions:

- 1) Insert coins
- 2) Apply chuck to tire and fill to desired pressure.
- 3) Hang hose after use.

Maintenance:

- **All servicing of machine should be conducted by an authorized service representative!**
- Periodically inspect hose, chuck, and chuck washer for wear or fatigue.
- Every month remove filter from compressor and clean.
- Periodically inspect electrical wires and connections for wear or fatigue.
- Clean canister with a stainless steel cleaner as needed.
- Decals can be cleaned with mild soap and water.
- Replacement parts can be ordered through JE Adams or your nearest dealer.

WHEN PERFORMING MAINTENANCE OR TROUBLE-SHOOTING, TURN POWER OFF! QUALIFIED PERSONNEL ONLY!




TROUBLESHOOTING:



ALWAYS DISCONNECT POWER BEFORE TROUBLESHOOTING!!

Problem	Possible cause	Solution
Unit is not powered.	Breaker inside fuse panel is not in the on position.	Turn breaker on.
	No power to machine.	Check incoming power line voltage.
	Machine power switch is not on.	Remove dome and flip switch.
	Loose connection.	Check incoming power connection.

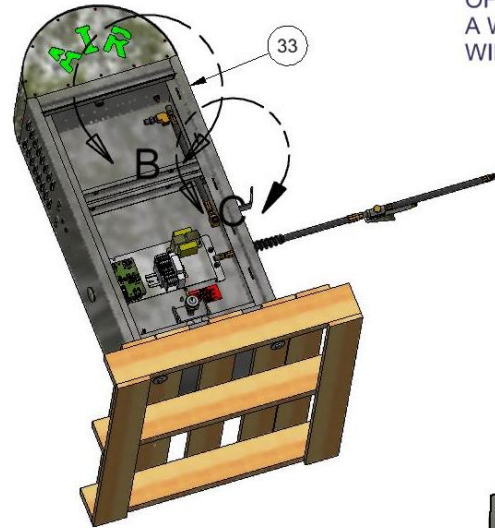
Unit runs but will not inflate tire.	Air is leaking from unit somewhere.	Turn power off to unit, apply chuck to air source with at least 30lbs of pressure and listen carefully for leaks inside cabinet or air hose. Replace faulty component if leaking.
	If no system leaks, is compressor putting out enough pressure?	If compressor cannot force air into tire, the compressor may have exceeded its life span and need rebuilt (about 1000 hours).
	Temperature is below freezing and condensation off compressor has froze in air hose.	Remove air hose and chuck and bring into warm area to thaw. Optional air dry systems are available through JE Adams if frequent problem- please call.
Unit keeps tripping breaker from incoming power source	Wrong size breaker or other components running on same circuit.	Install correct breaker for compressor and make sure line is a dedicated power source.
	Compressor or timer might be shorted out?	Isolate problem component and replace if necessary.
Unit will not start	Possible component failure	Check key components to isolate failure:
		Timer: Verify proper input voltage. Activate timer. If no output voltage is present when timer should be active, replace timer.
		Coin mech: If using a mechanical coin mech, remove the wires leading to the timer from the coin mech and tap the together one time for each coin necessary to start the timer. If machine starts, replace the coin mech.
Unit will not dispense water (water machines only).	Is source water turned on and not frozen?	Turn on water to system and make sure temperature is above 32 deg.
	Is water solenoid getting power from timer?	If getting power from timer, replace solenoid.

PART NO. 8798SV											
BILL OF MATERIALS				BILL OF MATERIALS							
ITEM	PART NUMBER	DESCRIPTION	QTY	ITEM	PART NUMBER	DESCRIPTION	QTY				
33	8798-600W	CONTROL CABINET WELDMENT- 8799 SERIES, NO CREDIT CARD	1	1	1079-3	GASKET	13.7"				
				2	22001-6A	PLUG LOCK, LARGE, WITH LOCK CORE	1				
34	8798-KIT	DECAL KIT, 8798 SERIES FACEPLATE	1	3	28000-53	NONMETALLIC TUBE FITTING	1				
35	8799-1000A	VAULT ASSEMBLY, 8799 SERIES MACHINES	1	4	29000-ALLEN	3/8 ALLEN, 29000 PLUG LOCK SCREW	1				
36	8799-27W	LOCK HOUSING WELDMENT	1	5	5600D4	3/8-16 X 1.5 HHCS	3				
37	8799-35W	ENTRY DOOR WELDMENT	1	6	5603D3	NUT, 3/8-16 Nylock, SS	2				
38	8799-400W	COIN CHUTE WELDMENT	1	7	5606D22	WASHER, 3/8 FENDER	6				
39	8799-40A-1	DOME ASSEMBLY, SSAC ONLY	1	8	5619D3	1/2" - 13 HEX SOC HEAD SCREW	1				
40	8799-5	COMPRESSOR BRACKET	2	9	5631d1	1/4-20 SCREW, ONE-WAY HEAD	4				
41	8799-6003	PLUG, WATERTIGHT FITTING HP SERIES 2	1	10	5632D1	3/8-16 x 3/4" SS, UNC CARRIAGE BOLT	2				
42	9862	110VAC 3/4 TWIN GAST COMPRESSOR	1	11	5635D4	BOLT, 1/4-20 X .75, CH, SS	8				
43	B5722-002	NUT, 3/8-16 UNC HEX LOCK NUT	3	12	5800D6	ELBOW, STREET, 1/4NPT, 90D, BRS	1				
44	B9900-001	WASHER, BONDED SEALER	4	13	5815D4	ELBOW, FEMALE, 1/4 NPT	2				
<div><div>NOTE 1</div><div>8799-999A VAULT ASSEMBLY IS TO BE PACKAGED SEPERATLY AND SENT WITH MACHINE.</div><div>NOTE 2</div><div>29000-ALLEN, T HANDLE ALLEN WRENCH USED TO REMOVE ALLEN BOLTS FROM LOCKS. STANDARD OPTIONAL:</div><div>* 8685-4000A, VAULT FORM. AT LEAST ONE IS REQUIRED TO POUR CONCRETE . ONCE PURCHASED IT CAN BE USED OVER AND OVER FOR ADDTIONAL VAULT POURS.</div><div>* 8799-515A, HOSE REEL ASSEMBLY. IF PURCHASING REMOVE 8532-25 (1), 8549 (1) AND 8678 (1) FROM PURCHASE ORDER.</div></div> <div></div>				14	7722S	1/4" NPT SST HEX NIPPLE MALE	1				
				15	8036	NUT, 1/4-20 UNC KEPS	24				
				16	8047	60" x 70" BAG	1				
				17	8081	CABLE TIE MOUNTS	5				
				18	8084	CABLE TIES	20				
				19	8144A	ASSEMBLY, COIN MECH	2				
				20	8157	NUT, #6-32 KEPP NUT STAINLESS	8				
				21	8183	DECAL, "DISCONNECT POWER"	1				
				22	8437D002	ETL DECAL, AIR MACHINES	1				
				23	8532-25	AIR HOSE ASSY, 1/4" X 25'	1				
				24	8533-8	TIRE INFLATOR W/ GAUGE	1				
				25	8545-13	AIR HOSE ASSY, 1/4" X 15"	1				
				26	8549	FLEX STRAIN RELIEF	1				
				27	8605	PALLET, VAC, 26" X 30.5"	1				
				28	8678	HOSE HANGER	1				
				29	8712-C1-2	CABLE ASSEMBLY, COIN/CC, 66"	1				
				30	8732	NAMEPLATE SERIAL TAG, UL	1				
				31	8754	DECAL, DANGER, TRI-LING	1				
				32	8798-1A	TIMER ASSEMBLY, 8798	1				
C	9318	ADD COIN WIRING HARNESS FOR NEW TIMER			05/12/25	JRF	TITLE AIR MACHINE, 8798 SERIES				
B	9128	CHANGE CABINET AND DOOR PART NUMBERS TO NEW STYLE (WAS 8798-500W & 8799-25W)			03/01/24	JRF	UNSPECIFIED TOLERANCES				
A	9082	ADDED 7722SS (1) AND 5815D4 (1), REMOVED 5827D1			10/9/23	BJL	MATERIAL				
-	8216	RELEASED			3/8/2018	CAK	DRAWN BY CHAD K.				
REV	NO.	DESCRIPTION			DATE	BY	DATE 3/6/2018				
							3 PL ±.003				
							SCALE				
							SHEET 1 / 6				
							PART NO.				
							8798SV				
							REV. C				
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ATTACH FITTING TO TOP
OF CABINET. THIS SERVES AS
A WATERTITE PASSAGE FOR
WIRES FROM DOME.

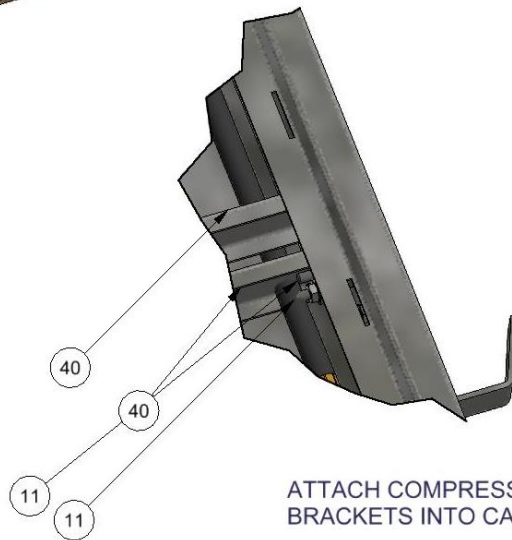
DETAIL B
SCALE .25



3

DETAIL C
SCALE .25

RUN WIRES FROM DOME
THRU WATERTITE SEAL
JUST INSTALLED.
ATTACH DOME ASSEMBLY TO
CABINET USING HARDWARE
SHOWN. (4PL)




44

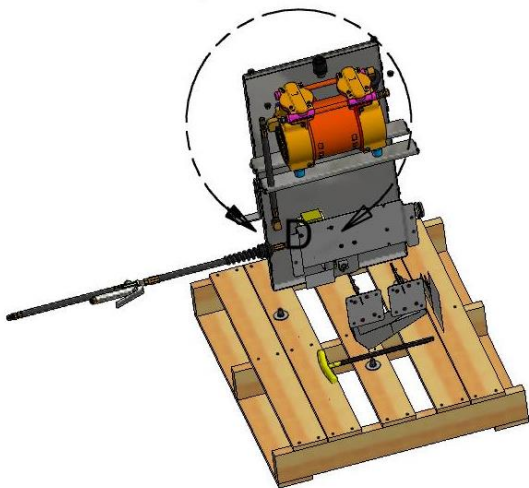
ATTACH COMPRESSOR MOUNT
BRACKETS INTO CABINET.

REV	NO.	DESCRIPTION	DATE	BY
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TITLE				
AIR MACHINE, 8798 SERIES				
UNSPECIFIED TOLERANCES		MATERIAL		 CEDAR RAPIDS, IOWA
1 PL	±.030	DRAWN BY CHAD K.		
2 PL	±.020	DATE 3/6/2018		
3 PL	±.003	SCALE		
ANGLE ± 1°		SHEET 2 / 6		
		PART NO. 8798SV		REV. C





CAPACITOR SIDE OF COMPRESSOR

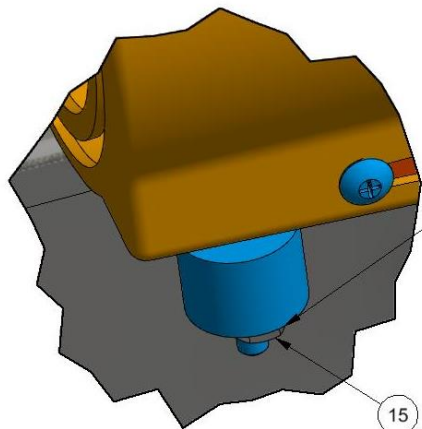
DETAIL D
SCALE .25

PLUG

12 FILTER DOWN
AT 45°

RELIEF VALVE


"AIR OUT" ATTACH HOSE
SHOWN BEFORE
INSTALLING COMPRESSOR



ATTACH COMPRESSOR
TO MOUNTS USING NUTS
SHOWN

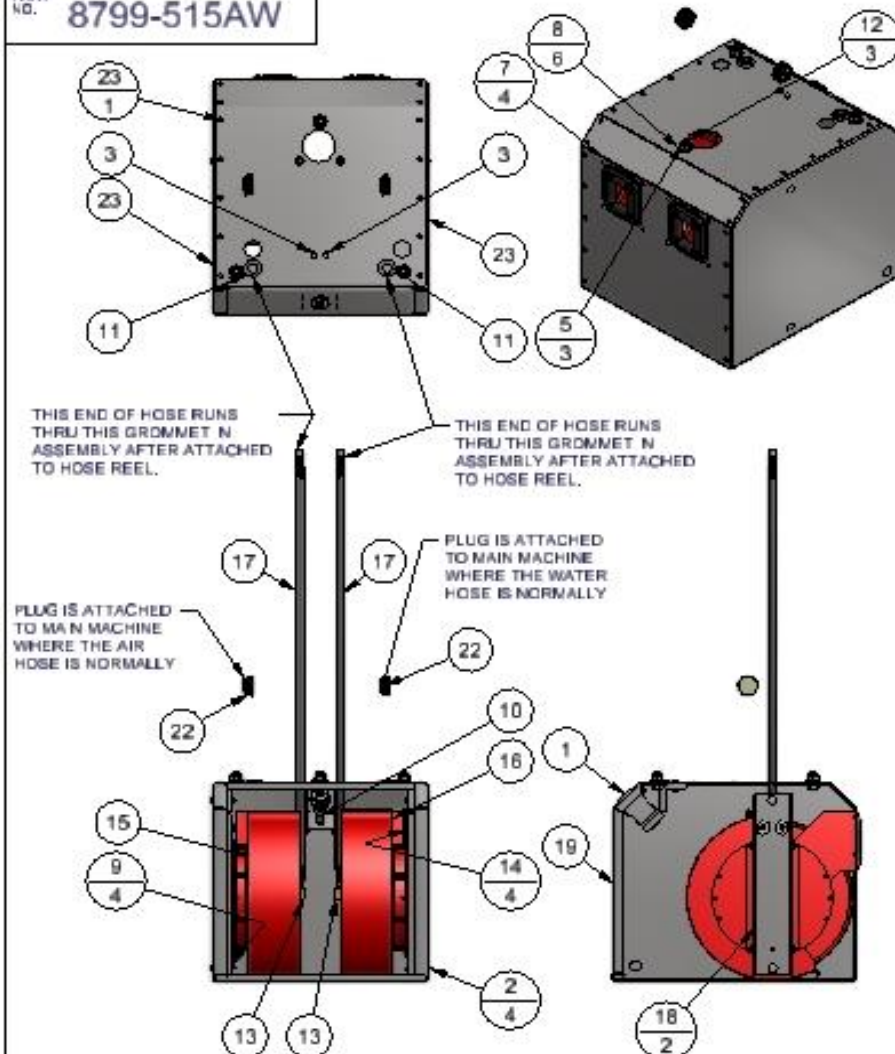
DETAIL E
SCALE .75

REV	NO.	DESCRIPTION	DATE	BY
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TITLE					AIR MACHINE, 8798 SERIES				
UNSPECIFIED TOLERANCES		MATERIAL			 CEDAR RAPIDS, IOWA				
		DRAWN BY							
		DATE							
		SCALE							
1 PL $\pm .030$		CHAD K.			PART NO		8798SV		
2 PL $\pm .020$		3/6/2018							
3 PL $\pm .003$		SHEET							
ANGLE $\pm 1^{\circ}$		3 / 6			REV.		C		

PART
NO.

8799-515AW




BILL OF MATERIALS

ITEM	PART NUMBER	DESCRIPTION	QTY
1	Z2001-6A	PLUG LOCK, LARGE, WITH LOCK CORE	1
2	5600D3	5/16-18 x 1.5 CARR BOLT	4
3	5601D4	1/4-20 x 3/4 HHCS-SS	2
4	5603D1	10 Std NC Nylock Nut	4
5	5603D11	1/2 Std NF Nylock Nut	3
6	5603D2	1/4 Std NC Nylock Nut	2
7	5604D1	#10-24 x 1/2 CARR BOLT	4
8	5606D10	WASHER, FLAT 1/2 SAE	6
9	5611D4	NUT, 5/16-18 UNC KEPP-SS	4
10	5619D3	1/2" - 13 HEX SOC HEAD SCREW	1
11	5639D6	RUBBER GROMMET	2
12	5646D3	HHCS, 1/2-13 X 1", SS	3
13	5800D6	90 DEG. NPT STREET ELBOW	2
14	6025-711	1/2-13 x 3/4 HEX HEAD BOLT	4
15	6025-7EXT	REEL CRAFT REEL WITH ROLLERS, LEFT	1
16	6025-8EXT	REEL CRAFT REEL WITH ROLLERS	1
17	8545-48	AIR HOSE ASSY, 1/4" X 48"	2
18	8799-305W	HOSE REEL MOUNT WELDMENT	2
19	8799-518W	HOSE REEL DOOR WELDMENT	1
20	8799-520W	LOCK BRACKET WELDMENT	1
21	8799-521	REEL HOLD DOWN	2
22	8799-6003	PLUG, WATERTIGHT FITTING HP SERIES 2	2
23	8799W-515A	HOSE REEL BOX WELDMENT	1

REV	NO.	DESCRIPTION	DATE	BY
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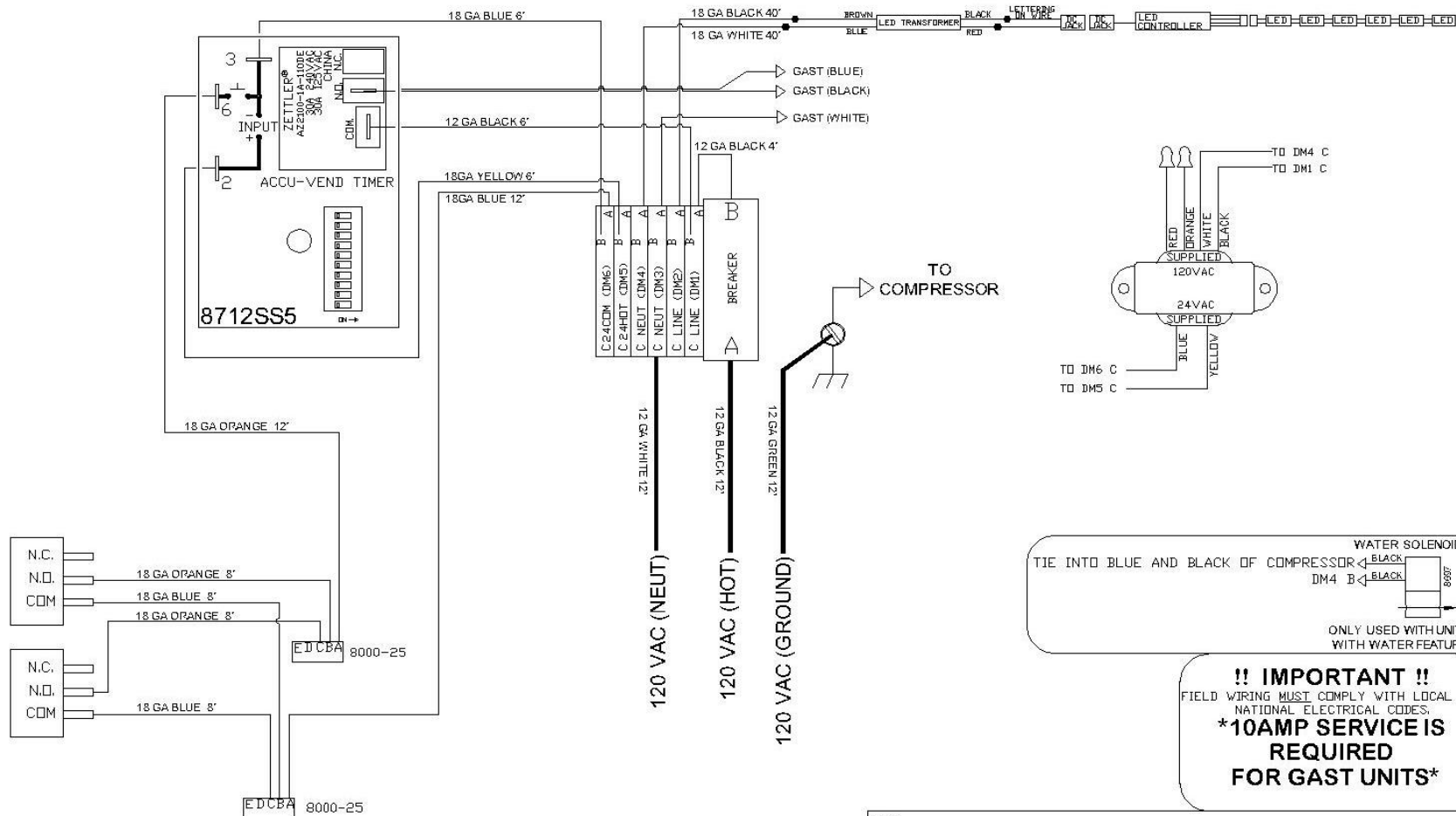
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TITLE HOSE REEL ASSEMBLY, AIR/WATER, 8799 SERIES VAULT		CEDAR RAPIDS, IOWA	
UNSPECIFIED TOLERANCES	MATERIAL		
1 PL ±.030	SCALE		
2 PL ±.010	DRAWN BY CHAD K.		
3 PL ±.003	DATE 2/10/2015		
ANGLE ±1.0°	PART NO 8799-515AW	REV	

THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION THEREIN BE
USED BY OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY J.E. ADAMS INDUSTRIES

BILL OF MATERIAL

ITEM NO.	PART NO.	DESCRIPTION	QTY.
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WATER SOLENOID

TIE INTO BLUE AND BLACK OF COMPRESSOR

DM4 B

BLACK

BLACK

BOOST

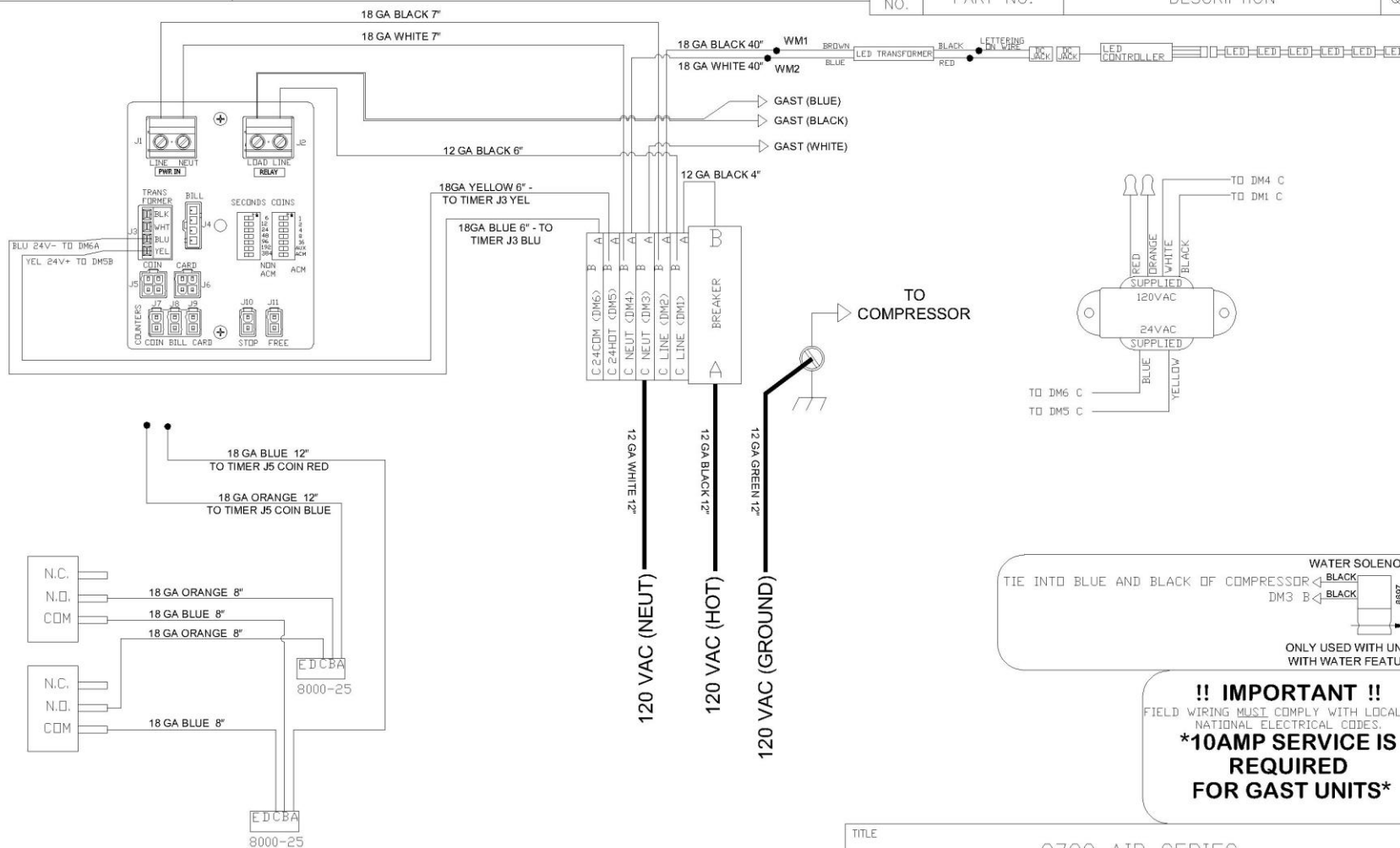
ONLY USED WITH UNITS WITH WATER FEATURE

!! IMPORTANT !!
FIELD WIRING MUST COMPLY WITH LOCAL AND
NATIONAL ELECTRICAL CODES.
***10AMP SERVICE IS
REQUIRED
FOR GAST UNITS***

—	8216	RELEASED	3/12/2018	CAK
REV	NO.	DESCRIPTION	DATE	BY

TITLE		8798 AIR SERIES	
UNSPECIFIED TOLERANCES	SCALE	NONE	
	DRAWN BY	CK	
	DATE	2/27/2018	
FRACT. $\pm 1/32$ 2 PL $\pm .020$ 3 PL $\pm .010$ ANGLE $\pm 1.0^\circ$			
REL. FOR PROD.		PART NO.	8798 SERIES
		REV.	—

ITEM NO.	PART NO.	DESCRIPTION	QTY.
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!! IMPORTANT !!
FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES.
10AMP SERVICE IS REQUIRED FOR GAST UNITS

TITLE		8798 AIR SERIES	
UNSPECIFIED TOLERANCES FRACT. $\pm 1/32$ 2 PL $\pm .020$ 3 PL $\pm .010$ ANGLE $\pm 1.0^\circ$	SCALE	NONE	
	DRAWN BY	JRF	
	DATE	1/31/25	
	REL. FOR PROD.		
PART NO.		8798 SERIES	
REV.		-	

-	9272	RELEASED	1/31/25	JRF
REV	NO.	DESCRIPTION	DATE	BY