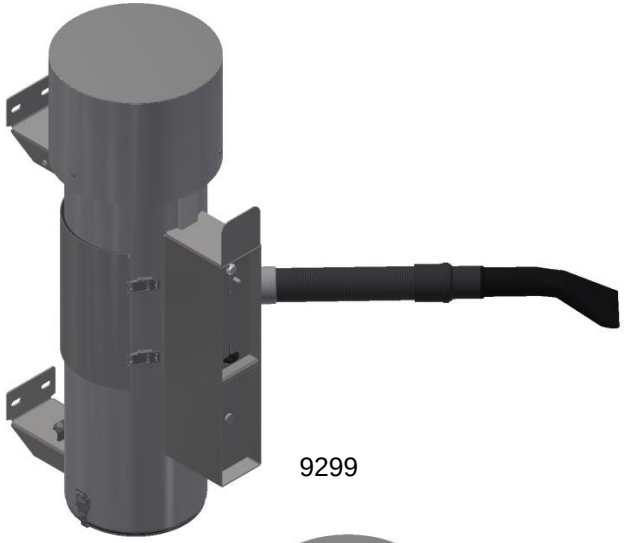
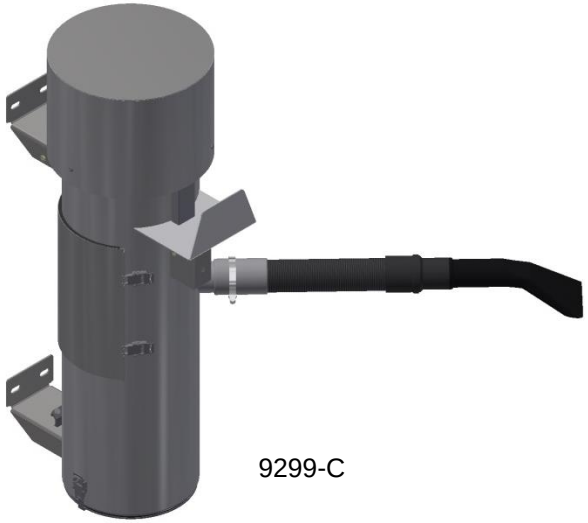
Models - 9299, 9299-C



9299



9299-C

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

Unit specifications:

Voltage:	120VAC, 60Hz
Amperage:	(1) 20 amp service is required for this unit
Weight:	60-70 lbs
Motors:	(1) 120VAC vacuum motor
Fuses:	(1) 20 amp inline fuses

Duty cycle time 4 minutes on, 4 minutes off.

NOTE: “UNIT INTENDED FOR COMMERCIAL 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)

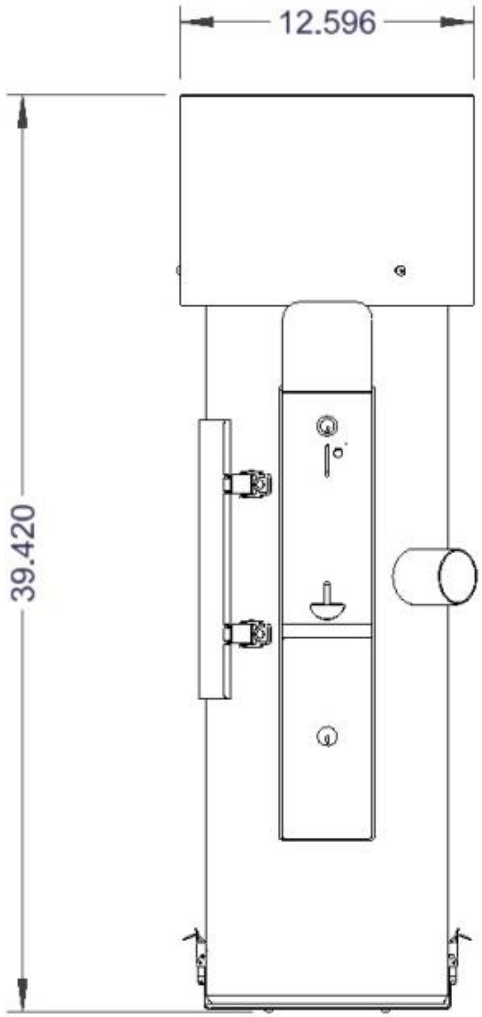
WARNING – To reduce the risk of fire, electric shock, or injury:

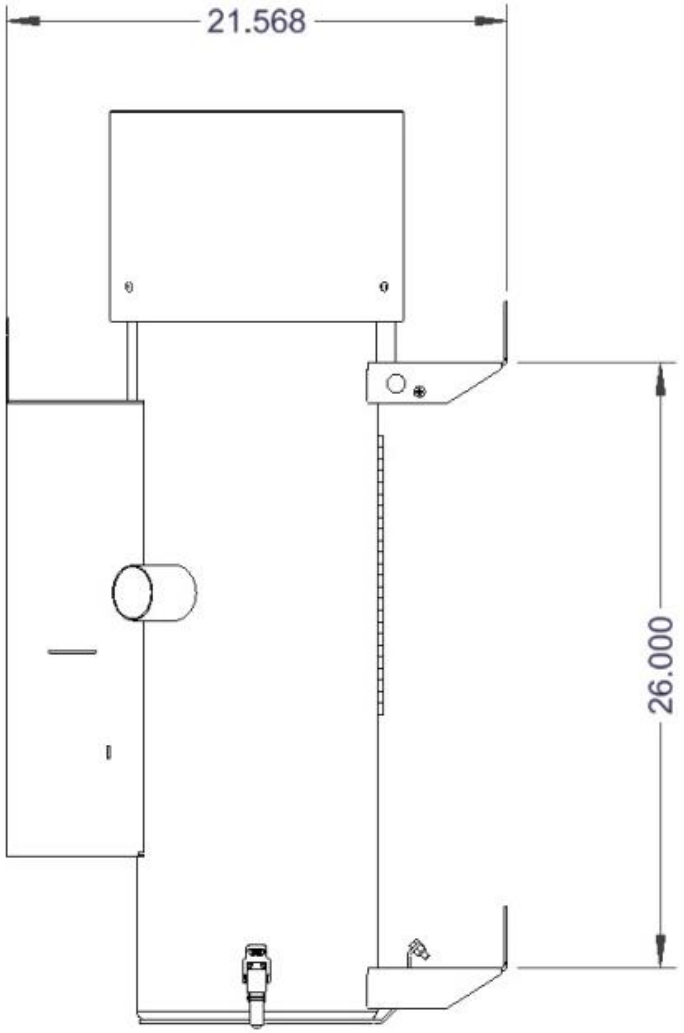
- Do not use on wet surfaces.
- Use only as described in manual. Use only manufactures recommended attachments.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use without dust bag and/or filters in place.

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 service to the 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.

Product Dimensions

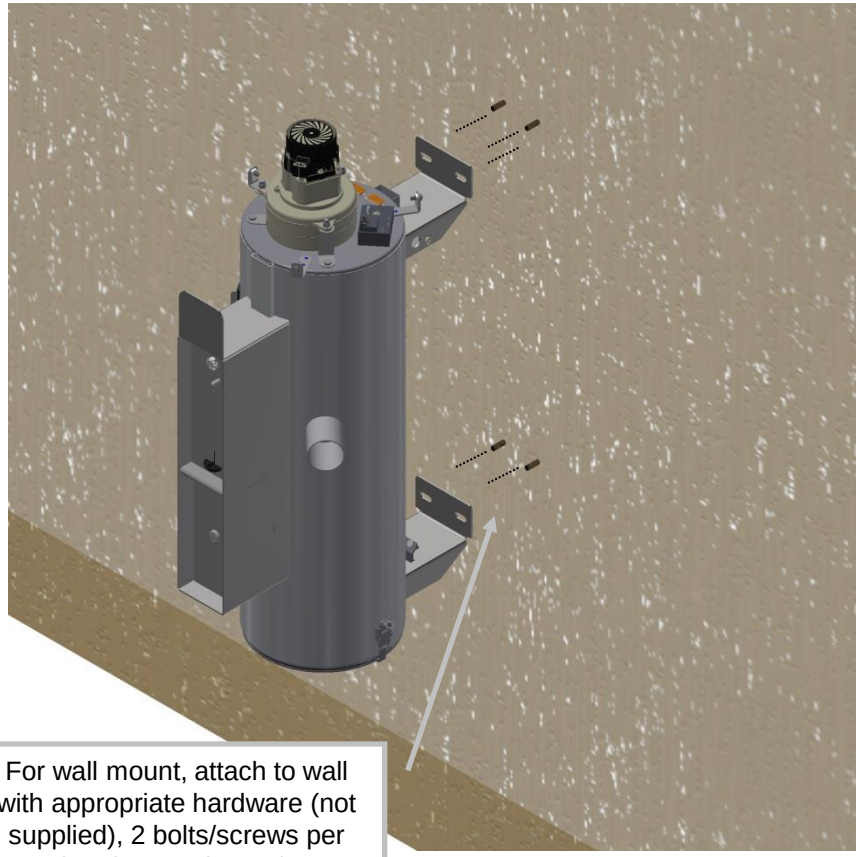




Installation:

Post or wall mount

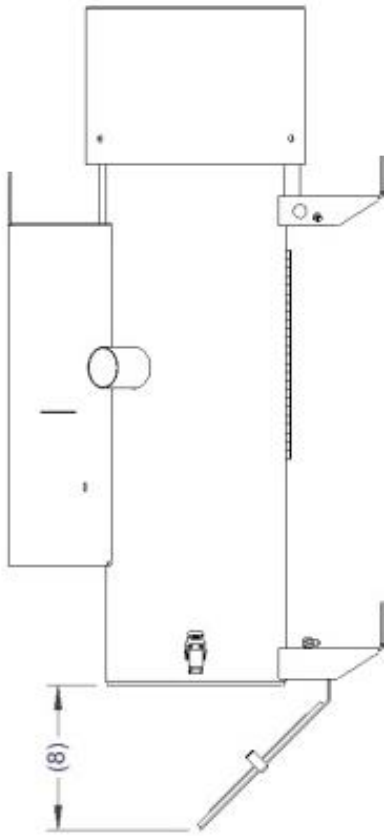
For post mount use model number “9299-POST” which includes U-bolts to mount vacuum. Kit does not include base attachment hardware.



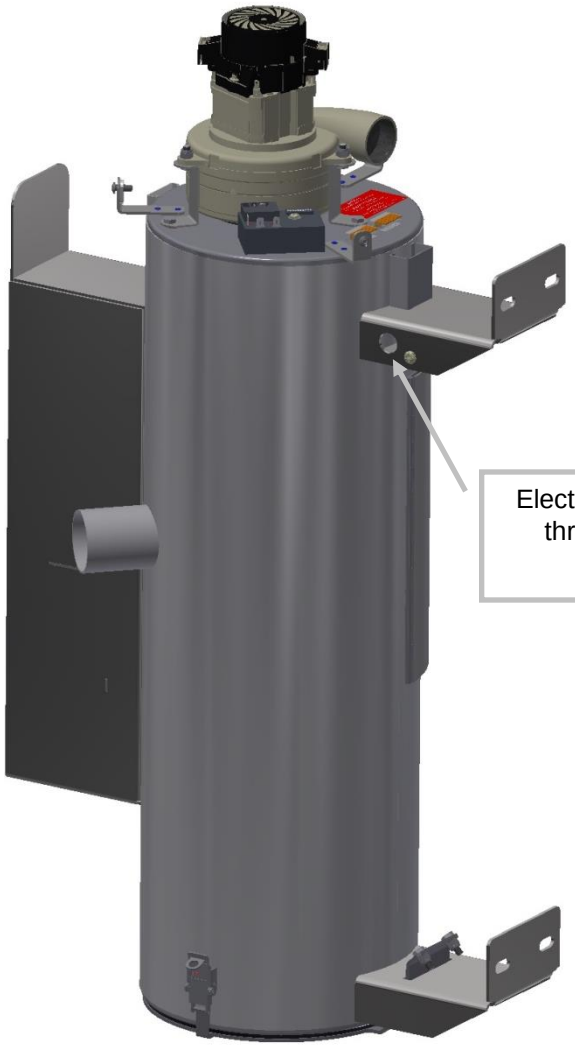
For wall mount, attach to wall with appropriate hardware (not supplied), 2 bolts/screws per bracket as pictured.

Installation cont.:

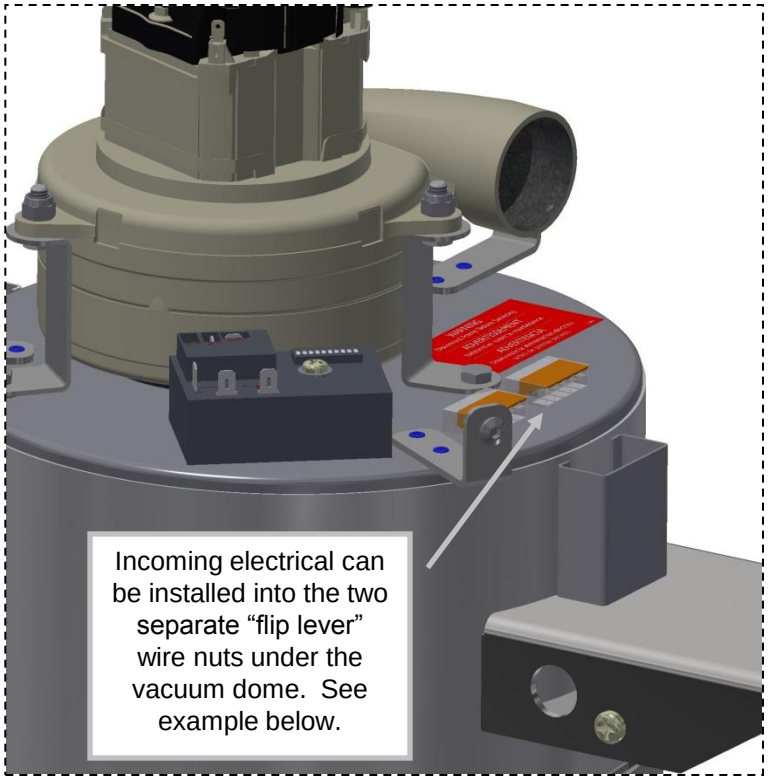
Be sure to allow room for lower trash door to open.



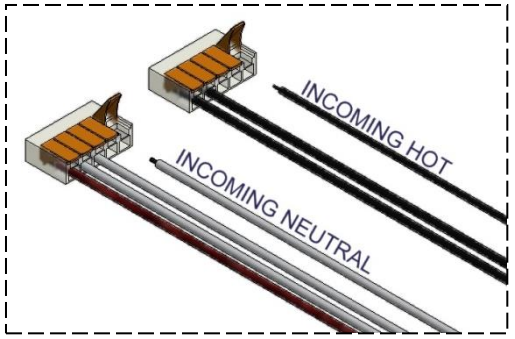
Installation cont.:

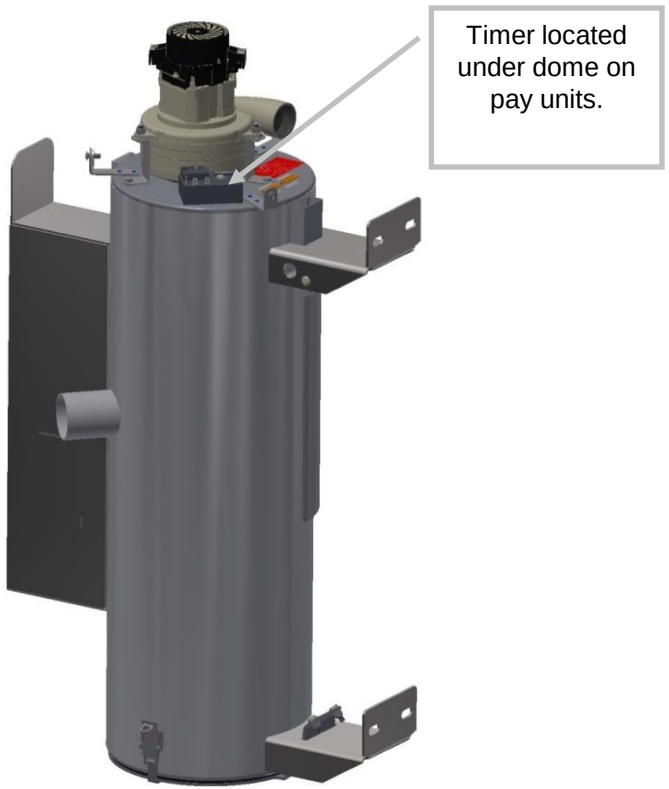


Electrical comes in through upper bracket.



Incoming electrical can be installed into the two separate “flip lever” wire nuts under the vacuum dome. See example below.





After attaching the hose the unit can be turned on and programmed.

Programming Instructions:

Coin acceptor:

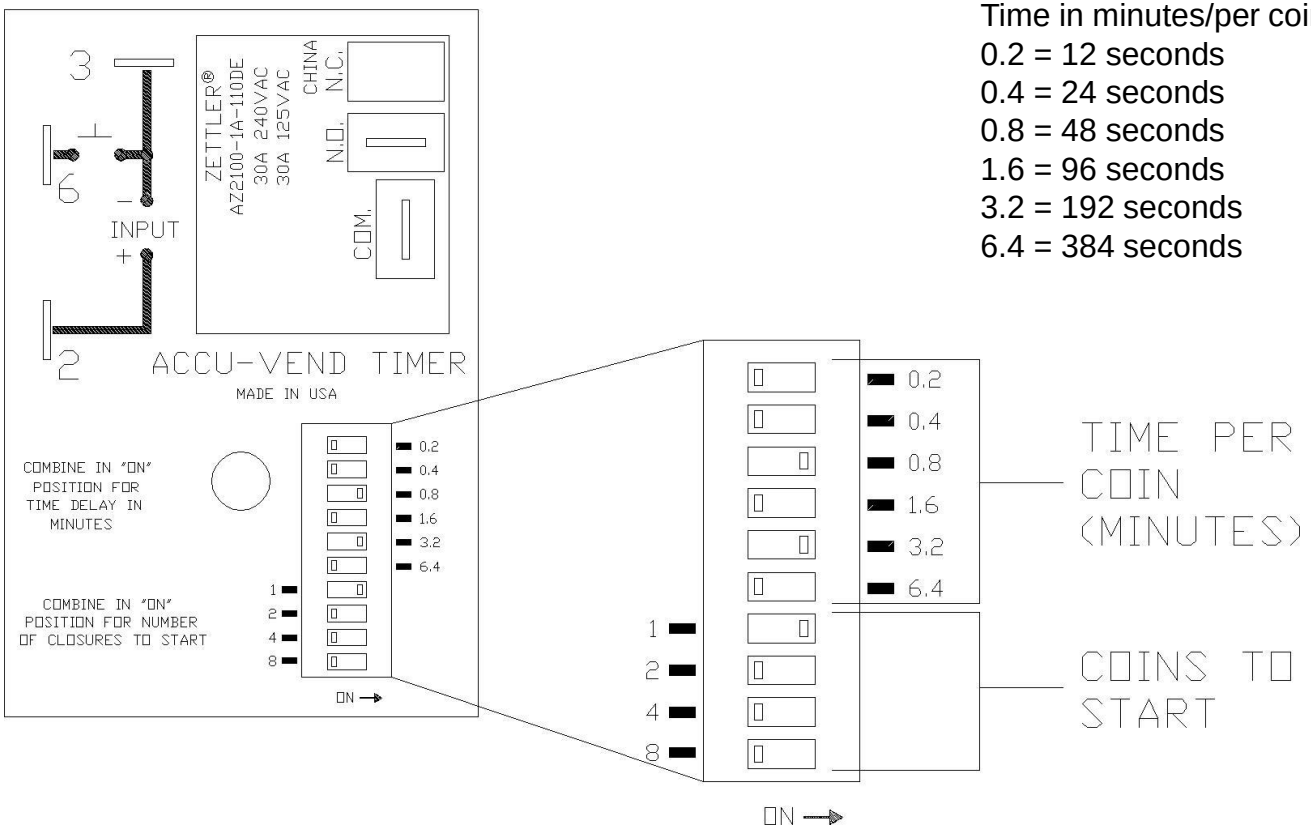
No programming to acceptor needed if unit was purchased with the standard Imonex Z3 acceptor (8149 JEA part number) as it is built to accept US quarters.

If different acceptor was purchased, see additional literature sent with unit for programming information.

COIN OPERATED Timer Programming:

The below timer pictured is the standard SSAC 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 others 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.

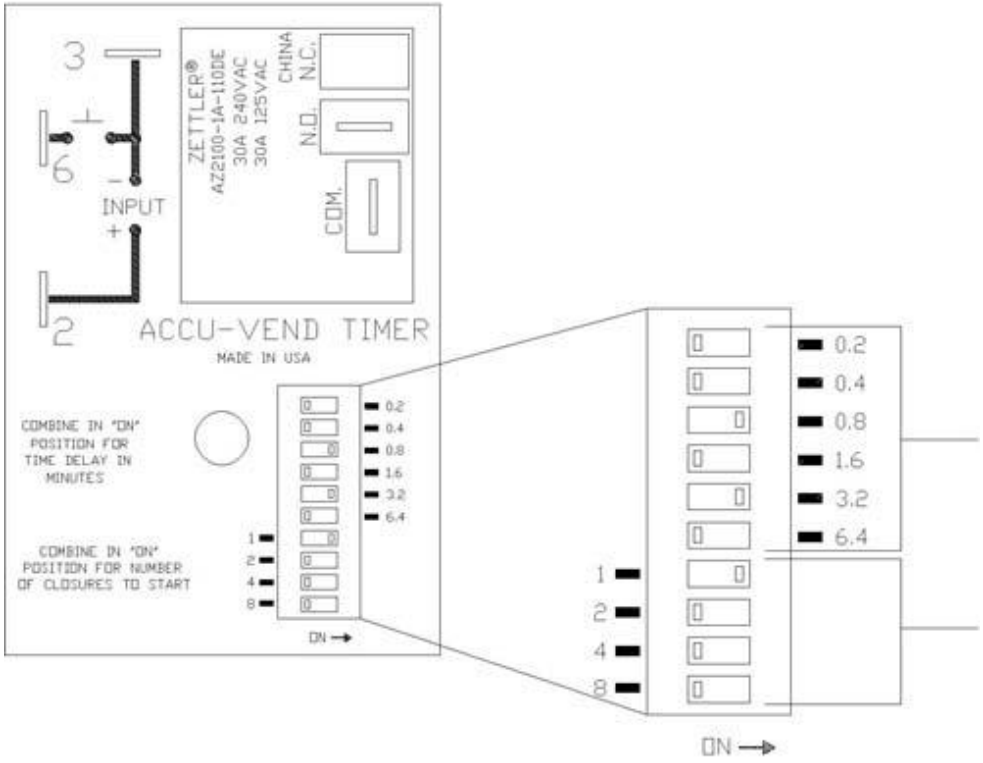
Time in minutes/per coin dip switch settings:
0.2 = 12 seconds
0.4 = 24 seconds
0.8 = 48 seconds
1.6 = 96 seconds
3.2 = 192 seconds
6.4 = 384 seconds



COMMERCIAL VAC Programming:

JE Adams commercial vacuum models typically come with an "on/off" toggle switch, but are also available with the optional push button kit which incorporates the use of a timer. The below timer pictured is the standard SSAC model that allows the end user to select the "coins to start" and the “total time" 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 "total time" 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 total time can always be changed by 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 others off) and the time dip switches would still be 3.2 and .8 dips selected for 4 minutes. Timer is non accumulating so "coins to start" setting is just to make the machine come on time and "time" is total time regardless of coins to start.

NOTE: In the case of a free vend machine that incorporates the use of a push button, COINS TO START is set at 1.



Time in minutes; dip switch settings:
0.2 = 12 seconds
0.4 = 24 seconds
0.8 = 48 seconds
1.6 = 96 seconds
3.2 = 192 seconds
6.4 = 384 seconds

Total time
(non accumulating)

Coins To Start

Operating Instructions:

- Insert payment or push button or toggle switch to start vacuum.
- Once service is used, hang up hose.

Maintenance:

- **All servicing of machine should be conducted by an authorized service representative!**
- Cartridge filter some with a nylon cover that should be accessed and shaken down weekly, depending on level of use. It is recommended to keep a new cartridge filter and nylon cover on hand so that service is not interrupted when filter is due to be replaced.
- To maintain performance, empty dirt bin from the canister on a regular basis.
- Periodically inspect wires and connections for wear or fatigue.
- Check door and motor gaskets periodically for signs of wear or damage and replace as needed.
- Check vac hose for cracks on a weekly basis.
- Clean canister with a stainless steel cleaner as needed. Decals can be cleaned with mild soap and water.
- Check motor brushes every month for excessive wear. Motor brushes should be changed immediatly if they are shorter than ¼". ***Please disconnect power before doing this!***

DISCONNECT POWER BEFORE SERVICING OR TROUBLESHOOTING!

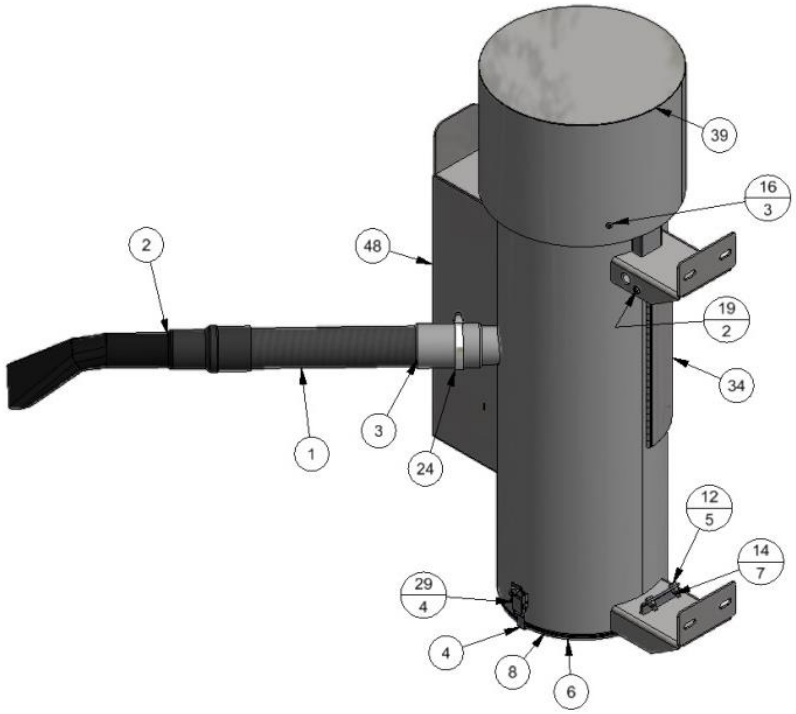
Troubleshooting:

Problem	Possible cause	Solution
Unit will not come on.	No power to machine.	Check incoming power.
	Loose or bad connection.	Check incoming power connection.
	Timer has no output.	Check output terminal of timer for voltage.
	Coin mech switch or push button is not sending signal to timer.	Bypass switch and touch the two wire together - USE CAUTION 120V!!
	Vaccum motor is bad.	Replcae vacuum motor.

Problem	Possible cause	Solution
Machine is behaving erratically.	Is the incoming power at 120V?	Check voltage and monitor while machine runs. Low voltage can cause erratic behavior.
	Are any of the machines wires worn through or connections not making contact?	Inspect wiring and connections. Look for sharp bends in wires and places where wire is against the metal chassis.
Unit keeps tripping breaker.	Inadequate wire size ran to machine.	Call electrician and install proper wire size for electrical service versus length or run.
	Vacuum motor is bad.	Replace vacuum motor.
	Wrong size breaker.	Install correct breaker providing wire size is rated for that size breaker.
Fuses for vac motors keep blowing.	Inadequate wire size ran to machine.	Call electrician and install proper wire size for 30amp service versus length or run.
	Vacuum motor is bad.	Replace vacuum motor.
	Motor brushes may be bad or too short.	Replace motor brushes.
Lack of vacuum suction.	Vac hose clogged?	Clean debris from vac hose.
	Filter needs cleaned or dirt chamber needs emptied?	Clean filter or replace and empty lower dirt chamber.
	Vac hose is split?	Replace/repair vac hose.
	Cleanout door gaskets torn or worn?	Replace gaskets.
	Vac motor gasket is worn or motor is not tight against.	Inspect/replace gaskets and assure motor is tight against gasket.

PART NO 9299

BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY
38	8958-1A	MEDECO SCREW LOCK- HIGH SECURITY AIR MACHINE	1
39	9202-50-10W	DOME WELDMENT, MINI VAC	1
40	9202-50-13W	MOUNTING BRACKET WELDMENT, DOME	3
41	9202-50-25FPD	FACEPLATE DECAL KIT, MINI-VAC	1
42	9202-50-25W	FACEPLATE WELDMENT, MINI VAC	1
43	9202-50-30W	COIN BOX WELDMENT, MINI VAC	1
44	9202-50-44	FILTER, PLEATED CARTRIDGE	1
45	9202-50-44BAG	FILTER BAG, w/DRAWSTRING	1
46	9202-50-46A	ELECTRICAL COVER ASSY, MINI VAC	1
47	9202-50-60A	EXHAUST SILENCER ASSEMBLY	1
48	9202-50W	CAN WELDMENT, MINI VAC	1
49	9299-WIREKIT	MINI-VAC WIRE KIT	1



BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	2036	HOSE, 2" X 15' BLACK VACUUM	1
2	2058	CLAW/CUFF ASSEMBLY, 2"	1
3	2081	COUPLER, 2" VAC HOSE	1
4	35000-113	LOCK BRACKET	1
5	35000-173	BRACKET, MOTOR HOLD DOWN, MINI VAC	3
6	35000-63	DOOR, PRE FILTER BOTTOM	1
7	35000-63-4	GASKET RETAINER PLATE	1
8	35000-65	DOOR GASKET, PRE FILTER	1
9	5261D3	RIVET NUT, #10-24, STEEL PLATED	1
10	5261D5	1/4-20 ZINC PLATED STEEL, RIVET NUT	3
11	5601D1	1/4-20 x 1/2 HHCS-ZINC PLATED	3
12	5601D4	1/4-20 x 3/4 HHCS-SS	5
13	5603D1	10-24 Std NC Nylock Nut	2
14	5603D2	1/4-20 NYLOCK NUT, SS	7
15	5606D1	#10 SAE WASHER	1
16	5619D1	SCR, HEX SOC BUT, HD CPCW, 1	3
17	5635D4	BOLT, CARRIAGE, 1/4-20 UNC	2
18	5636D4	#10-24x1 3/8 PHIL. PAN HEAD SCREW	1
19	5640D1	1/4-20 x 1/2 PHIL PAN HEAD SCREW	2
20	5647D2	RIVET, 1/8 SS POP RIVET 1/16	12
21	5647D3	RIVET, 1/8 x .034 SS POP RIVET	6
22	5664D3	WING NUT, 3/8-16, 18-8 SS	1
23	8057-10	MOTOR GASKET, MINI VAC	1
24	8061-720-8	3" HOSE CLAMP, STAINLESS STEEL	1
25	8061-720EM	TANGENTIAL BYPASS MOTOR, 120VAC	1
26	8081	CABLE TIE MOUNT	3
27	8084	CABLE TIE	5
28	8149	IMONEX COIN ACCEPTOR	1
29	8153-1	LATCH, CLEANOUT DOOR	4
30	8157	NUT, #6-32 KEPP NUT STAINLESS	4
31	8158	DOOR GASKET	1
32	8183	DECAL, "DISCONNECT POWER"	1
33	8423-2	DECAL, VACUUM DOME	1
34	8615-10W	CLEANOUT DOOR WELDMENT, MINI VAC	1
35	8732	NAMEPLATE, PRODUCT SPEC DECAL	1
36	8754	DECAL, WARNING	1
37	8953	MEDECO CAM LOCK W/2 KEYS	1

REV	NO.	DESCRIPTION	DATE	BY
-	8109	RELEASED	11/10/17	JRF

TITLE: MINI-VAC, SINGLE MOTOR

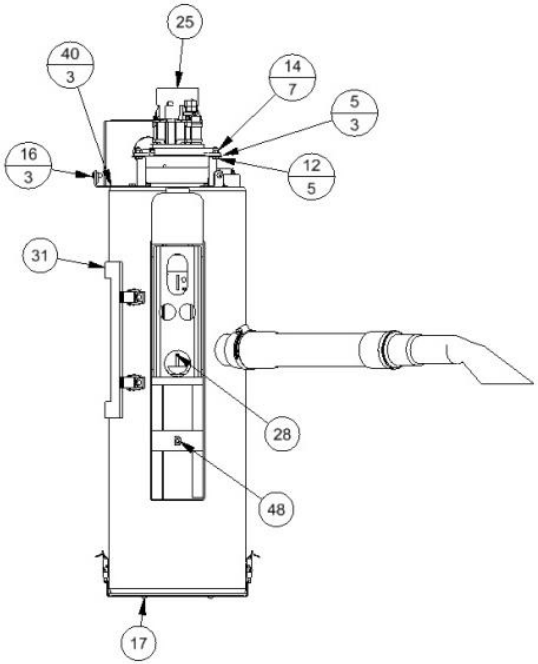
UNSPECIFIED TOLERANCES
1 PL ± .040
2 PL ± .020
3 PL ± .003
ANGLE ± 1°

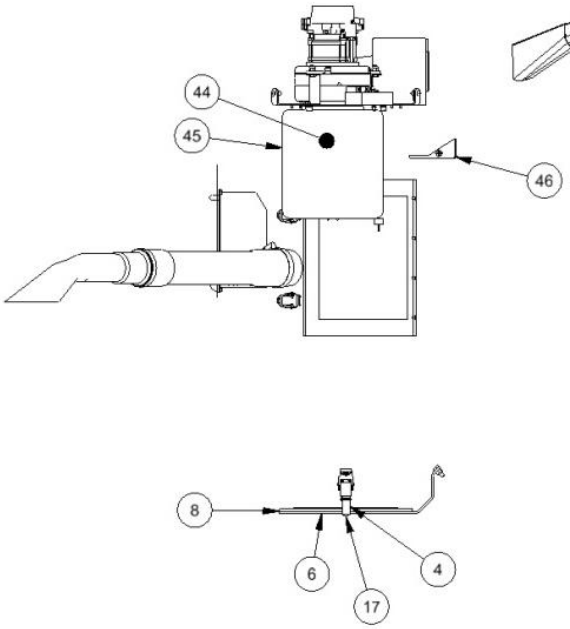
MATERIAL
DRAWN BY: JOHN F
DATE: 3/30/2017
SCALE: .1
SHEET: 1 / 3

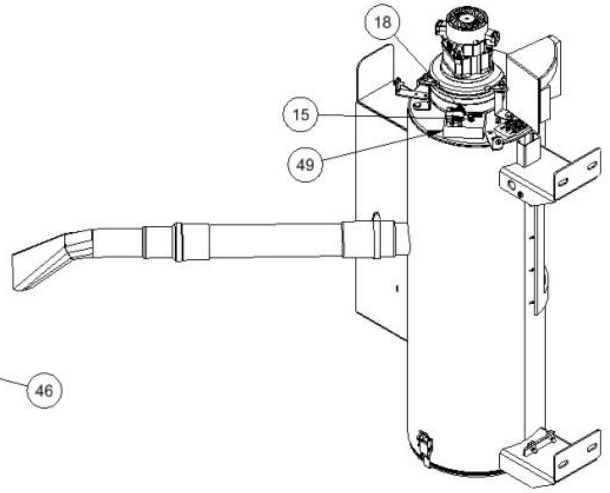
CEDAR RAPIDS, IOWA
J.E. ADAMS INDUSTRIES, LTD

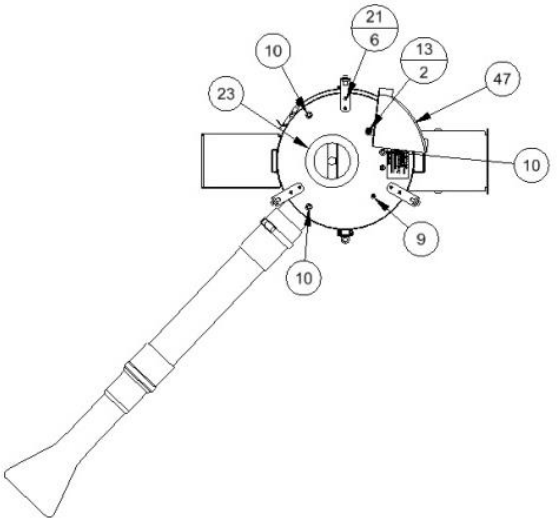
PART NO 9299
REV: -

PART NO 9299









REV	NO.	DESCRIPTION	DATE	BY

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TITLE: MINI-VAC, SINGLE MOTOR

UNSPECIFIED TOLERANCES
1 PL ± .040
2 PL ± .020
3 PL ± .003
ANGLE ± 1°

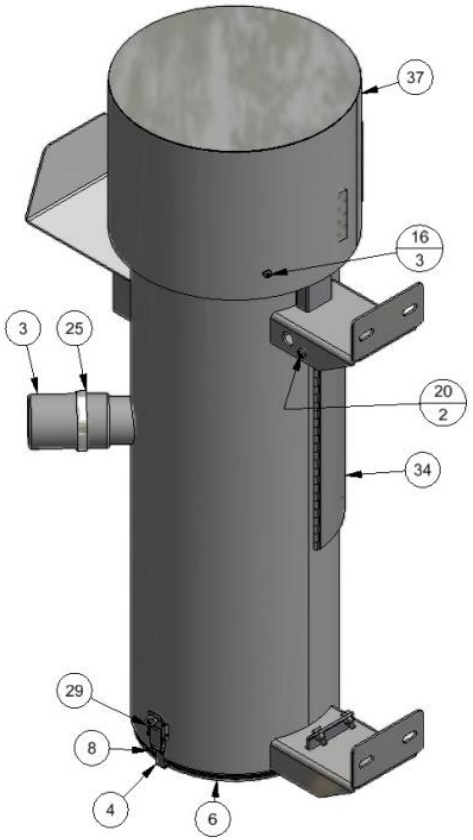
MATERIAL
DRAWN BY: JOHN F
DATE: 3/30/2017
SCALE: .1
SHEET: 2 / 3

CEDAR RAPIDS, IOWA
J.E. ADAMS INDUSTRIES, LTD

PART NO: 9299
REV: -

PART NO 9299-C

BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY
38	9202-50-13W	MOUNTING BRACKET WELDMENT, DOME	3
39	9202-50-44	FILTER, PLEATED CARTRIDGE	1
40	9202-50-44BAG	FILTER BAG, w/DRAWSTRING	1
41	9202-50-46A	ELECTRICAL COVER ASSY, MINI VAC	1
42	9202-50-60A	EXHAUST SILENCER ASSEMBLY	1
43	9202-51W	CAN WELDMENT, MINI VAC	1
44	9299-C-WIREKIT	WIRE KIT FOR 9299 TOGGLE	1



BILL OF MATERIALS			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	2036	HOSE, 2" X 15' BLACK VACUUM	1
2	2058	CLAW/CUFF ASSEMBLY, 2"	1
3	2081	COUPLER, 2" VAC HOSE	1
4	35000-113	LOCK BRACKET	1
5	35000-173	BRACKET, MOTOR HOLD DOWN, MINI VAC	3
6	35000-63	DOOR, PRE FILTER BOTTOM	1
7	35000-63-4	GASKET RETAINER PLATE	1
8	35000-65	DOOR GASKET, PRE FILTER	1
9	5260D3	RIVET NUT, #10-24, ALUMINUM	2
10	5261D3	RIVET NUT, #10-24, STEEL PLATED	1
11	5261D5	1/4-20 ZINC PLATED STEEL, RIVET NUT	3
12	5601D1	1/4-20 x 1/2 HHCS-ZINC PLATED	3
13	5601D4	1/4-20 x 3/4 HHCS-SS	5
14	5603D1	10-24 Std NC Nylock Nut	2
15	5603D2	1/4/20 NYLOCK NUT, SS	7
16	5619D1	SCR, HEX SOC BUT, HD CPCW, 1	3
17	5635D4	BOLT, CARRIAGE, 1/4-20 UNC	2
18	5636D1	#10-24 PHIL. PAN HEAD SCREW	2
19	5636D4	#10-24x1 3/8 PHIL. PAN HEAD SCREW	1
20	5640D1	1/4-20 x 1/2 PHIL PAN HEAD SCREW	2
21	5647D2	RIVET, 1/8 SS POP RIVET 1/16	12
22	5647D3	RIVET, 1/8 x .034 SS POP RIVET	6
23	5664D3	WING NUT, 3/8-16, 18-8 SS	1
24	8057-10	MOTOR GASKET, MINI VAC	1
25	8061-720-8	3" HOSE CLAMP, STAINLESS STEEL	1
26	8061-720EM	TANGENTIAL BYPASS MOTOR, 120VAC	1
27	8081	CABLE TIE MOUNT	3
28	8084	CABLE TIE	5
29	8153-1	LATCH, CLEANOUT DOOR	4
30	8158	DOOR GASKET	1
31	8183	DECAL, "DISCONNECT POWER"	1
32	8423-2	DECAL, DOME VACUUM	1
33	8505-8	SWITCH COVER, MINI VAC	1
34	8615-10W	CLEANOUT DOOR WELDMENT, MINI VAC	1
35	8732	NAMEPLATE, PRODUCT SPEC DECAL	1
36	8754	DECAL, WARNING	1
37	9202-50-10W	DOME WELDMENT, MINI VAC	1

REV	NO.	DESCRIPTION	DATE	BY
-	8109	RELEASED	11/15/17	JRF

TITLE: COMMERCIAL MINI-VAC, SINGLE MOTOR

UNSPECIFIED TOLERANCES
1 PL ±.030
2 PL ±.020
3 PL ±.003
ANGLE ±1°

MATERIAL

DRAWN BY: JOHN F

DATE: 3/30/2017

SCALE: .12

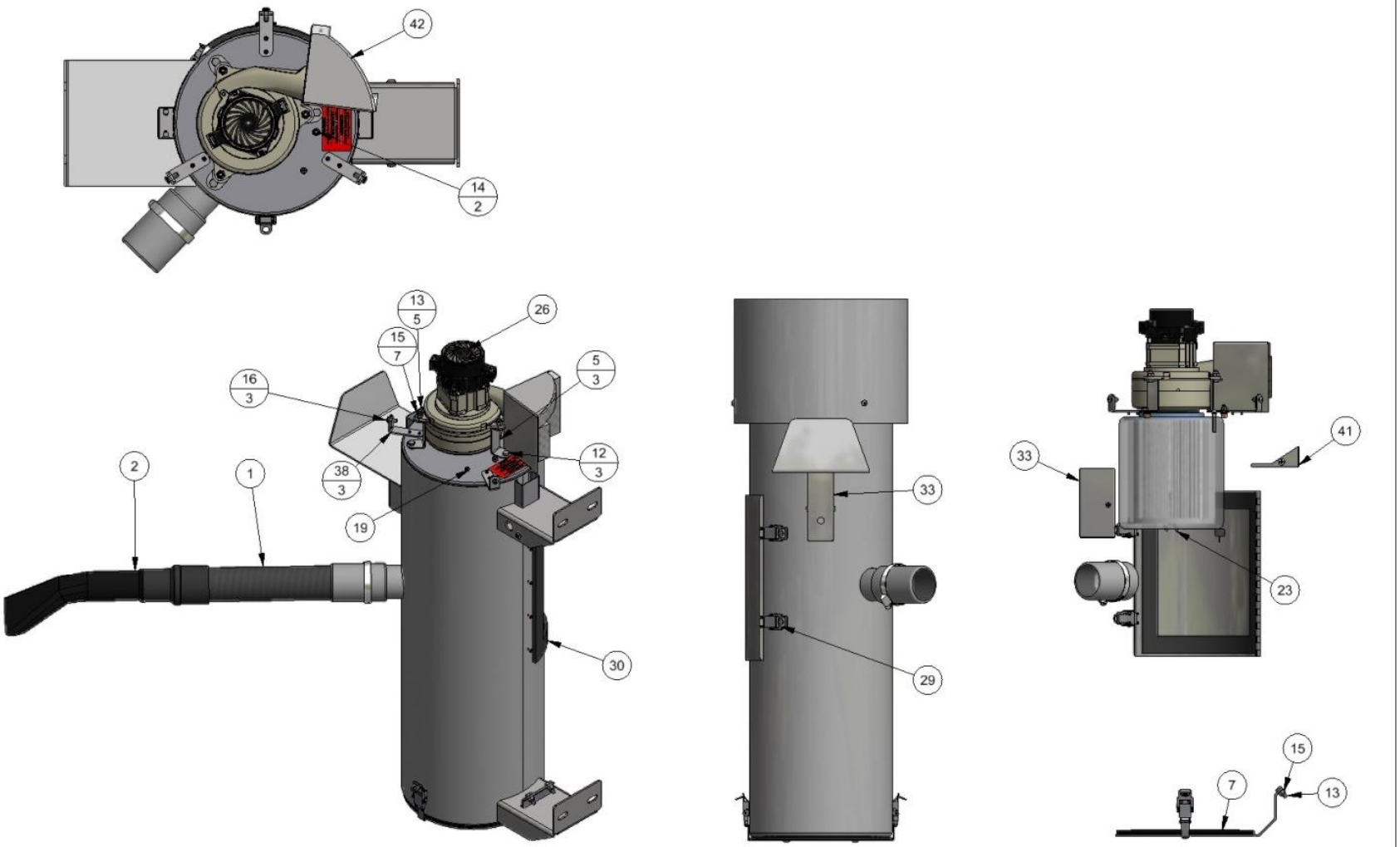
SHEET: 1 / 2

CEDAR RAPIDS, IOWA
J.E. ADAMS INDUSTRIES, LTD

PART NO: 9299-C

REV: -

PART NO 9299-C



REV	NO.	DESCRIPTION	DATE	BY

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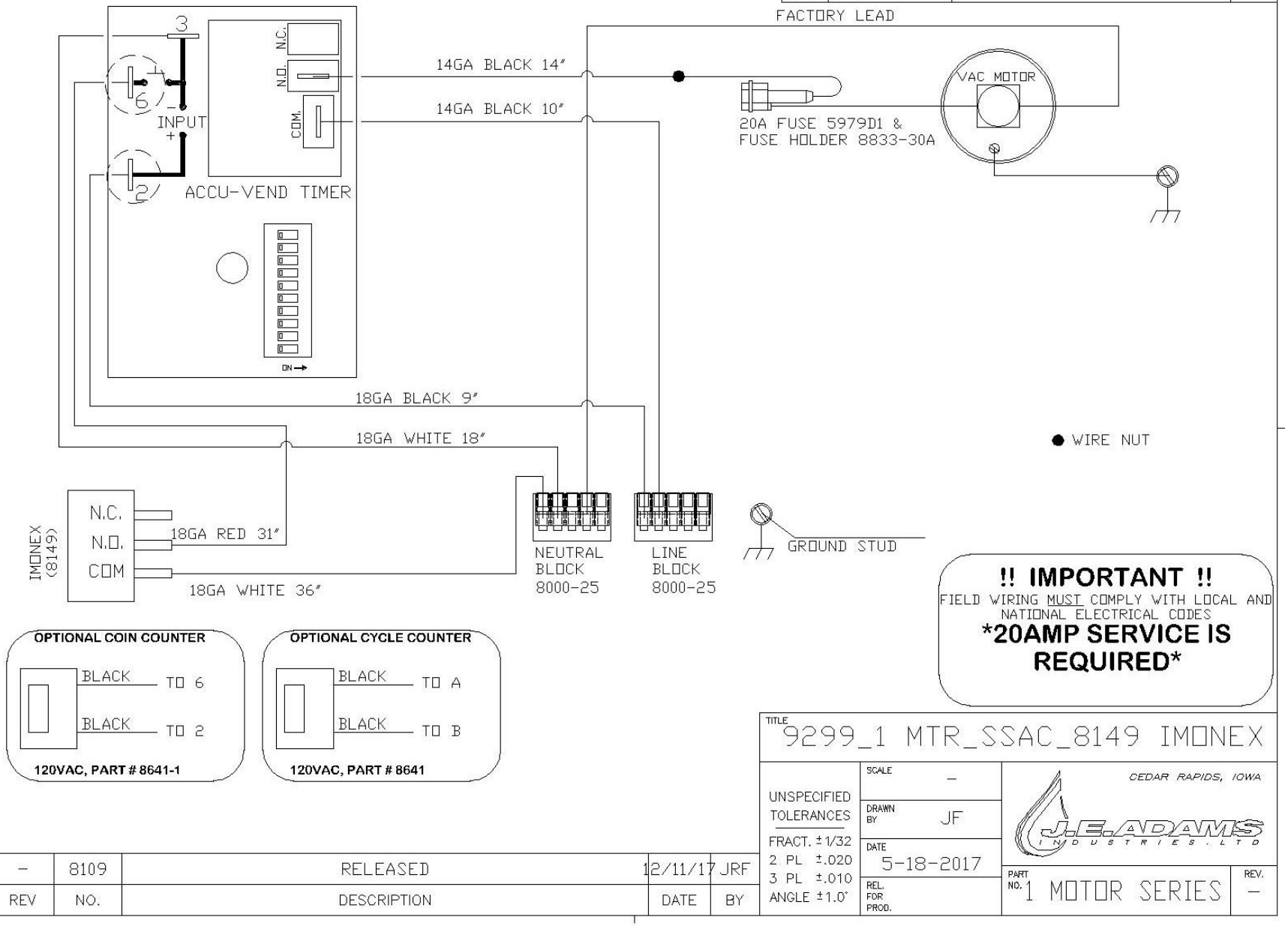
TITLE: COMMERCIAL MINI-VAC, SINGLE MOTOR			
UNSPECIFIED TOLERANCES	MATERIAL	CEDAR RAPIDS, IOWA	
1 PL ±.030	DRAWN BY JOHN F	J.E. ADAMS INDUSTRIES, LTD	
2 PL ±.020	DATE: 3/30/2017		
3 PL ±.003	SCALE .12	SHEET 2 / 2	PART NO 9299-C
ANGLE ±1°			REV. -

PART NO. 1 MOTOR SERIES

BILL OF MATERIAL

ITEM NO.	PART NO.	DESCRIPTION	QTY.



!! IMPORTANT !!

FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES

20AMP SERVICE IS REQUIRED

TITLE: 9299_1 MTR_SSAC_8149 IMONEX

UNSPECIFIED TOLERANCES	SCALE	–
FRACT. ±1/32 2 PL ±.020 3 PL ±.010 ANGLE ±1.0°	DRAWN BY	JF
	DATE	5-18-2017
	REL. FOR PROD.	

CEDAR RAPIDS, IOWA

J.E. ADAMS INDUSTRIES, LTD

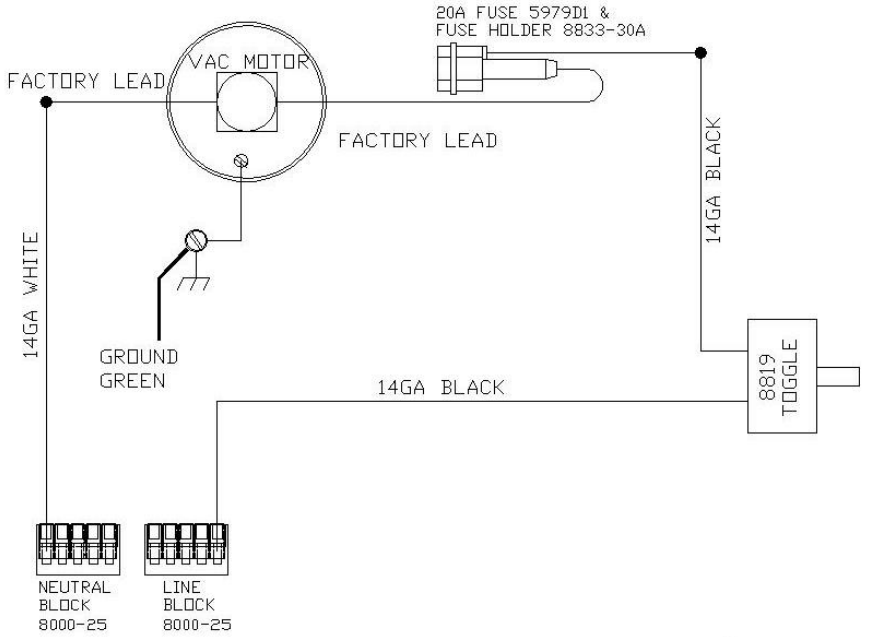
PART NO. 1 MOTOR SERIES — REV. –

REV	NO.	DESCRIPTION	DATE	BY
–	8109	RELEASED	12/11/17	JRF

PART NO. 1 MOTOR MINI-VAC, ON-OFF TOGGLE

BILL OF MATERIAL

ITEM NO.	PART NO.	DESCRIPTION	QTY.



!! IMPORTANT !!

TERMINAL STRIP IS ON BACK SIDE OF TIMER PLATE IN LOCK BOX

FIELD WIRING MUST COMPLY WITH LOCAL AND NATIONAL ELECTRICAL CODES

20AMP SERVICE IS REQUIRED

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TITLE: 1 MOTOR MINI-VAC, ON-OFF TOGGLE

UNSPECIFIED TOLERANCES
FRACT. ±1/32
2 PL ±.020
3 PL ±.010
ANGLE ±1.0°

SCALE

DRAWN BY: JRF

DATE: 06/08/17

REL. FOR PROD.

CEDAR RAPIDS, IOWA

J.E. ADAMS INDUSTRIES, LTD

PART NO. 1 MOTOR MINI-VAC, ON-OFF TOGGLE

REV. —