

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



- 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.
- Circuit must be protected by GFCI device.
- 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.







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.



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.



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 1/4". *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	Bypass switch and touch the two wire together
	timer.	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.				

NO	9299	BILL OF MATERIALS				BILL OF MATERIALS						
-	5255	ITEM	ITEM PART NUMBER DESCRIPTION QTY				PART NUMBER	DESCRIPTION				
		38	8754	DECAL, WARNING	1	1	2036	HOSE, 2" X 15' BLACK VACUUM	1			
		39	8953	MEDECO CAM LOCK W/2 KEYS	1	2	2058	CLAW/CUFF ASSEMBLY, 2"	1			
		40	8958-1A	MEDECO SCREW LOCK- HIGH SECURITY AIR	1	3	2086 D	COUPLER, 2" PIPE - 2" HOSE	1			
				MACHINE		4	35000-113	LOCK BRACKET	1			
			9202-50-10W	DOME WELDMENT, MINI VAC	1	5	35000-173	BRACKET, MOTOR HOLD DOWN, MINI VAC	3			
		42	42 9202-50-13W MOUNTING BRACKET WELDMENT, DOME 3				35000-63	DOOR, PRE FILTER BOTTOM	1			
			9202-50-25FPD	FACEPLATE DECAL KIT, MINI-VAC	1	7	35000-63-4	GASKET RETAINER PLATE	1			
		44	9202-50-25W	FACEPLATE WELDMENT, MINI VAC 1		8	35000-65	DOOR GASKET, PRE FILTER	1			
		45	9202-50-30W	COIN BOX WELDMENT, MINI VAC 1			5261D3	RIVET NUT, #10-24, STEEL PLATED	1			
		46	9202-50-44	FILTER, PLEATED CARTRIDGE	1	10	5261D5	1/4-20 ZINC PLATED STEEL, RIVET NUT	3			
		47	9202-50-46A	ELECTRICAL COVER ASSY, MINI VAC	1	11	5601D13	SCR,1/4-20x1/2 PPHSqConeStepZP	3			
		48	9202-50-60A	EXHAUST SILENCER ASSEMBLY	1	12	5601D4	1/4-20 x 3/4 HHCS-SS	5			
		49	9202-50W	CAN WELDMENT, MINI VAC	1	13	5603D1	10-24 Std NC Nylock Nut	2			
		50	9299-WIREKIT	MINI-VAC WIRE KIT	1	14	5603D2	1/4-20 NYLOCK NUT, SS	7			
		51	9299BOX	BOX, 48L X 24D X 12H ID	1	15	5606D1	#10 SAE WASHER	1			
						16	5619D1	SCR, HEX SOC BUT, HD CPCW, 1	3			
				(mark)		17	5635D4	BOLT, CARRIAGE, 1/4-20 UNC	2			
						18	5636D4	SCREW, #10-24x1.50, PH, PD, SS				
						19	5640D1	1/4-20 x 1/2 PHIL PAN HEAD SCREW	2			
						20	5647D2	RIVET, 1/8 SS POP RIVET 1/16	12			
	$(2) \qquad (49) \qquad \qquad$				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				
		Y	\bigcirc			24	8061-720-8	3" HOSE CLAMP, STAINLESS STEEL	1			
		7		19		25	8061-720EM	TANGENTIAL BYPASS MOTOR, 120VAC	1			
	1 - 118			2		26	8081	CABLE TIE MOUNT	3			
				1		27	8084	CABLE TIE	5			
				7		28	8149	IMONEX COIN ACCEPTOR				
			(3)			29	8153-1	LATCH, CLEANOUT DOOR				
			\cup (24)		30	8157	NUT, #6-32 KEPP NUT STAINLESS				
						31	8158	DOOR GASKET				
				5		32	8176	DECAL, LINE-NEUTRAL-GROUND				
			0			33	8183	DECAL, "DISCONNECT POWER"	1			
	$\begin{array}{c} 29 \\ 4 \\ 4 \\ 4 \\ 8 \end{array}$				34	8423-2	DECAL, VACUUM DOME	1				
					35	8615-10W	CLEANOUT DOOR WELDMENT, MINI VAC					
					36	8732	NAMEPLATE, PRODUCT SPEC DECAL	1				
	6)						8753	DECAL, WARNING, TRI-LING	1			
				350510e								
D	8588			REPLACE 2081 WITH 2086			04/22/20 JRF					
C	8559			ADD BOX FOR PACKAGING			02/20/20 JRF	UNSPECIFIED DATERIAL	10 010/00 10			
B	8549			SSING ITEMS, REPLACE 5601D1 WITH 5601D12			03/05/18 JRF		AA RAMIDS, IOWA			
~	0217	RELACE DOUTD I WITH DOUTD IS				03/03/10 JRF		DYAVAVAS				

DESCRIPTION

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

BY

3 PL ±.003 SCALE

ANGLE ± 1"

.085

SHEET PAR

1/3

DATE

D

9299

REV

NO.



9299-C

BILL OF MATERIALS					BILL OF MATERIALS						
ITEM	PART NUMBER	DESCRIPTION	QTY	ITEM	PART NUMBER	DESCRIPTION	QTY				
38	9202-50-13W	MOUNTING BRACKET WELDMENT, DOME	3	1	2036	HOSE, 2" X 15' BLACK VACUUM	1				
39	9202-50-44	FILTER, PLEATED CARTRIDGE	1	2	2058	CLAW/CUFF ASSEMBLY, 2"	1				
40	9202-50-46A	ELECTRICAL COVER ASSY, MINI VAC	1	3	2086 E	COUPLER, 2" PIPE - 2" HOSE	1				
41	9202-50-60A	EXHAUST SILENCER ASSEMBLY	1	4	35000-113	LOCK BRACKET	1				
42	9202-51W	CAN WELDMENT, MINI VAC	1	5	35000-173	BRACKET, MOTOR HOLD DOWN, MINI VAC	3				
43	9299-C-WIREKIT	WIRE KIT FOR 9299 TOGGLE	1	6	35000-63	DOOR, PRE FILTER BOTTOM	1				
44	9299BOX	BOX, 48L X 24D X 12H ID	1	7	35000-63-4	GASKET RETAINER PLATE	1				
· · · · · · · · · · · · · · · · · · ·											



1	2036	HOSE, 2" X 15" BLACK VACUUM	1
2	2058	CLAW/CUFF ASSEMBLY, 2"	1
3	2086 E	COUPLER, 2" PIPE - 2" 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	3
10	5261D5	1/4-20 ZINC PLATED STEEL, RIVET NUT	3
11	5601D13	SCR,1/4-20x1/2 PPHSqConeStepZP	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	5619D1	SCR, HEX SOC BUT, HD CPCW, 1	3
16	5635D4	BOLT, CARRIAGE, 1/4-20 UNC	2
17	5636D1	SCREW, #10-24 X .50, PH, PD, SS	3
18	5640D1	1/4-20 x 1/2 PHIL PAN HEAD SCREW	2
19	5647D2	RIVET, 1/8 SS POP RIVET 1/16	12
20	5647D3	RIVET, 1/8 x .034 SS POP RIVET	6
21	5664D3	WING NUT, 3/8-16, 18-8 SS	1
22	8057-10	MOTOR GASKET, MINI VAC	1
23	8061-720-8	3" HOSE CLAMP, STAINLESS STEEL	1
24	8061-720EM	TANGENTIAL BYPASS MOTOR, 120VAC	1
25	8081	CABLE TIE MOUNT	3
26	8084	CABLE TIE	5
27	8153-1	LATCH, CLEANOUT DOOR	4
28	8158	DOOR GASKET	1
29	8176	DECAL, LINE-NEUTRAL-GROUND	1
30	8183	DECAL, "DISCONNECT POWER"	1
31	8423-2	DECAL, DOME VACUUM	1
32	8505-8	SWITCH COVER, MINI VAC	1
33	8615-10W	CLEANOUT DOOR WELDMENT, MINI VAC	1
34	8732	NAMEPLATE, PRODUCT SPEC DECAL	1
35	8753	DECAL, WARNING, TRI-LING	1
36	8754	DECAL, WARNING	1
37	9202-50-10W	DOME WELDMENT, MINI VAC	1

E	8588	REPLACE 2081 WITH 2086	04/22/20	JRF	TITCE	0014150		E LIOTOP		
D	8559	ADD BOX FOR PACKAGING	02/20/20	JRF	COMMERCIAL MINI-VAC, SINGLE MOTOR				×	
С	8549	REMOVE 9202-50-44BAG AS NO LONGER NEEDED	01/31/20	JRF	UNSPECIFIED	MATERIAL		CEDAR RA	PIDS, IOWA	
В	8329	REMOVED 5260D3 AND CHANGED 5261D3 FROM QTY. 1 TO 3	9/5/2018	CAK	1 PL ±.030	BY JC	OHN F			
A	8217	ADD MISSING ITEMS, REPLACE 5601D1 WITH 5601D13	03/05/18	JRF	2 PL ± .020	DATE 3/3	0/2017		NY HE	
REV	NO.	DESCRIPTION	DATE	BY	3 PL ±.003	SCALE	SHEET	PART NO	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					ANGLE ± 1"	.12	1 / 2	9299-C	E	





