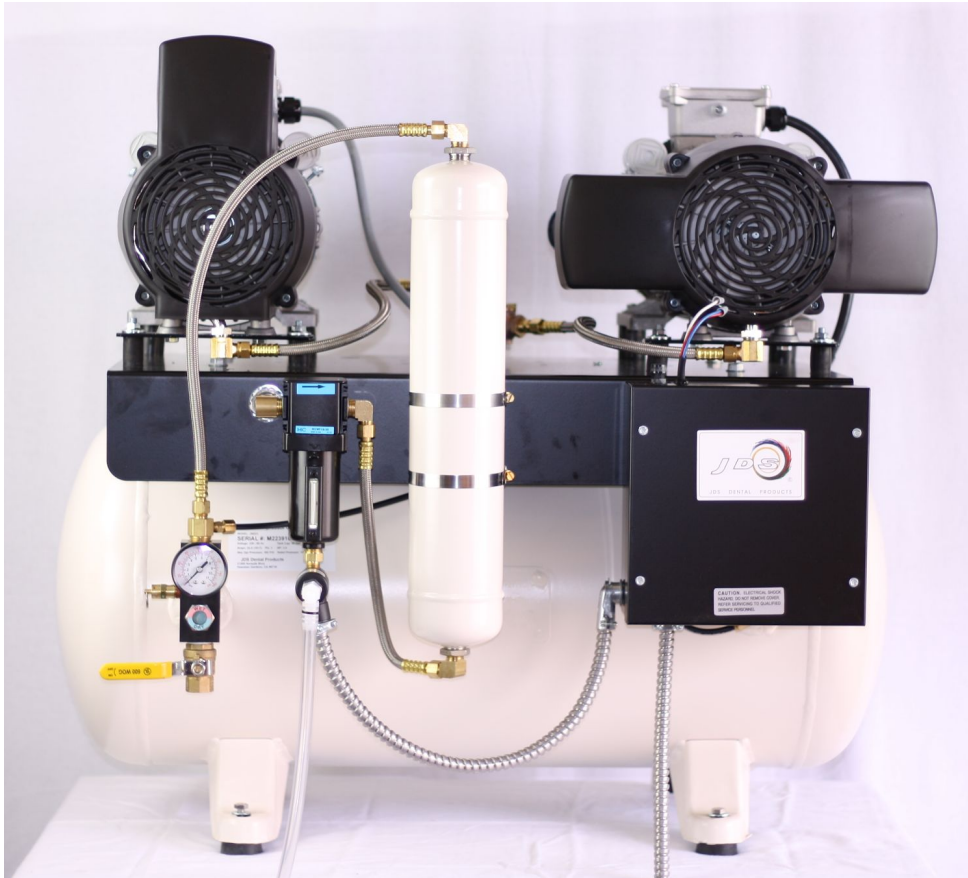


# Installation/Prep Guide

JDS Dental Products

JM Series - JM111, JM121, JM122, JM222, JM223, JM224



<b>Doctor</b>	
<b>Dealer</b>	
<b>Dealer Phone</b>	
<b>Model Installed</b>	

The JM Series air compressor was tested and approved by:  
Los Angeles Department of Building and Safety, electrical testing laboratory. Approval sticker can be found on top of electrical box.

**A local disconnect is required to be installed within sight of the air compressor.**

JDS Dental Products | 21205 Norwalk Blvd. Hawaiian Gardens, CA 90716  
P: 562-924-4300 F: 562-924-2273 E: Support@jdsfmfg.com

# Installation/Prep Guide

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## JM Series - JM111, JM121, JM122, JM222, JM223, JM224

### IMPORTANT NOTES:

- Compressor system must be installed per local plumbing and electrical codes.
- Fresh air intake termination pipe to be provided by installer.
- Images used in manual may look different from actual product. The differences between JM series models will not affect compressor performance or installation.
- Compressor system must be installed in and air conditioned or ventilated room to ensure operational ambient temperature.
- A 6" clearance is required behind the unit and one side for air flow.
- Do not install within patient vicinity due to elevated temperatures. Ambient temperature must not be below 40° or exceed 104°F. (4°C~40°C)

### Intended use of product

To provide compressed air during procedures and exams conducted by qualified personnel.

### Site Requirements & Specifications

Model	JM111	JM121	JM122	JM222	JM223	JM224
	<b>Site Requirements</b>					
Output & Delivery Line	Compressor Output: ½" FPT / 6' Main Trunk Line Ends: ½"MPT					
Voltage (AC)	120	220	220	220	220	220
Max Amps	14	7	15	14	22	30
Panel Breaker Size	20	20	20	20	30	40
Wire Size (AWG)	10	12	12	12	10	8
	<b>Specifications</b>					
Horsepower	1 HP	1 HP	2 HP	2 HP (1+1)	3 HP (2+1)	4 HP (2+2)
Number of Motors	1	1	1	2	2	2
Frequency (Hz)	60	60	60	60	60	60
Max # of Users	3	3	5	5	7	9
CFM	4.9	4.9	9.8	9.8	14.7	19.6
Tank Size	12	12	12	20	20	30
Shipping Weight (lbs)	190	190	200	290	300	330
Dimensions (H*W*D, in)	29 * 28 * 23	29 * 28 * 23	29 * 28 * 23	31 * 34 * 26	31 * 34 * 26	33 * 39 * 26

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**WARNING: ALWAYS DISCONNECT POWER BEFORE SERVICING. THE SURFACES OF THE COMPRESSOR HEAD CAN BECOME VERY HOT DEPENDING ON USAGE. DO NOT TOUCH THESE PARTS DURING OR DIRECTLY AFTER OPERATION.**

1. Cut the straps and remove the compressor from the pallet and install rubber feet using the supplied rubber feet, screws, and washers. Do NOT use wood pallet as a base for the compressor.
2. Ensure compressor is being installed in a dry, well ventilated area with a solid, level surface.
3. Leave the moisture collection bucket on the ground level, below the solenoid valve.
4. Connect remote panel wires to the low voltage control wires located on the top, left side of the electrical box. Red and blue are for the 24V switch, the white wire is for the light bulb.
5. Connect conduit cable to the supplied electrical source. Make sure to use the correct wire gauge.
6. Double check that the air shut-off ball valve is in the "Closed" position.
7. Turn on the power to the air compressor. If the compressor reads below 80 psi, the compressor will turn on. If not, check the toggle switch inside of the electrical box. The toggle switch inside the electrical box only controls the secondary circuit power. The main source of power at the breaker must be turned off in order to remove all power in the electrical box. To access toggle switches, remove the 4 screws holding the electrical box panel cover and remove the cover. Replace cover after servicing, do not use these toggle switches to turn on the compressor.

**DO NOT USE THE TOGGLE SWITCH TO TURN OFF THE HEADS. THEY ONLY EXIST FOR TROUBLESHOOTING/MAINTENANCE PURPOSES. DO NOT USE THE SWITCHES TO TURN OFF ONE MOTOR IN AN ATTEMPT TO SAVE THE COMPRESSOR'S "LIFE". THIS MAKES THE ONE HEAD RUN MUCH LONGER AND STRAINS THE MOTOR MORE THAN HAVING BOTH MOTORS TURNED ON. OPERATING THE COMPRESSOR IN THIS MANNER WILL VOID WARRANTY.**

8. After the compressor finishes running its cycle and reaches 100 psi, leave the compressor with the valve closed to see if there are any leaks. If the compressor cycles with the valve closed then there are leaks within the compressor.
9. After testing, open the valve to the operatories and the pressure will drop. If it drops below 80, it will pump up again. Close all operatories and make sure no air is being used in the office, and check to see if there are any leaks by checking the gauge. If the compressor turns on with no one using the air, then there is a leak in the piping. Fix all leaks to prolong compressor life.

## Proper disposal of equipment

At the end of product life, goods and other accessories, including the unit, may become contaminated from normal use. Consult local codes and ordinances for proper disposal of equipment, accessories and other consumable goods.

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