



Installation Manual

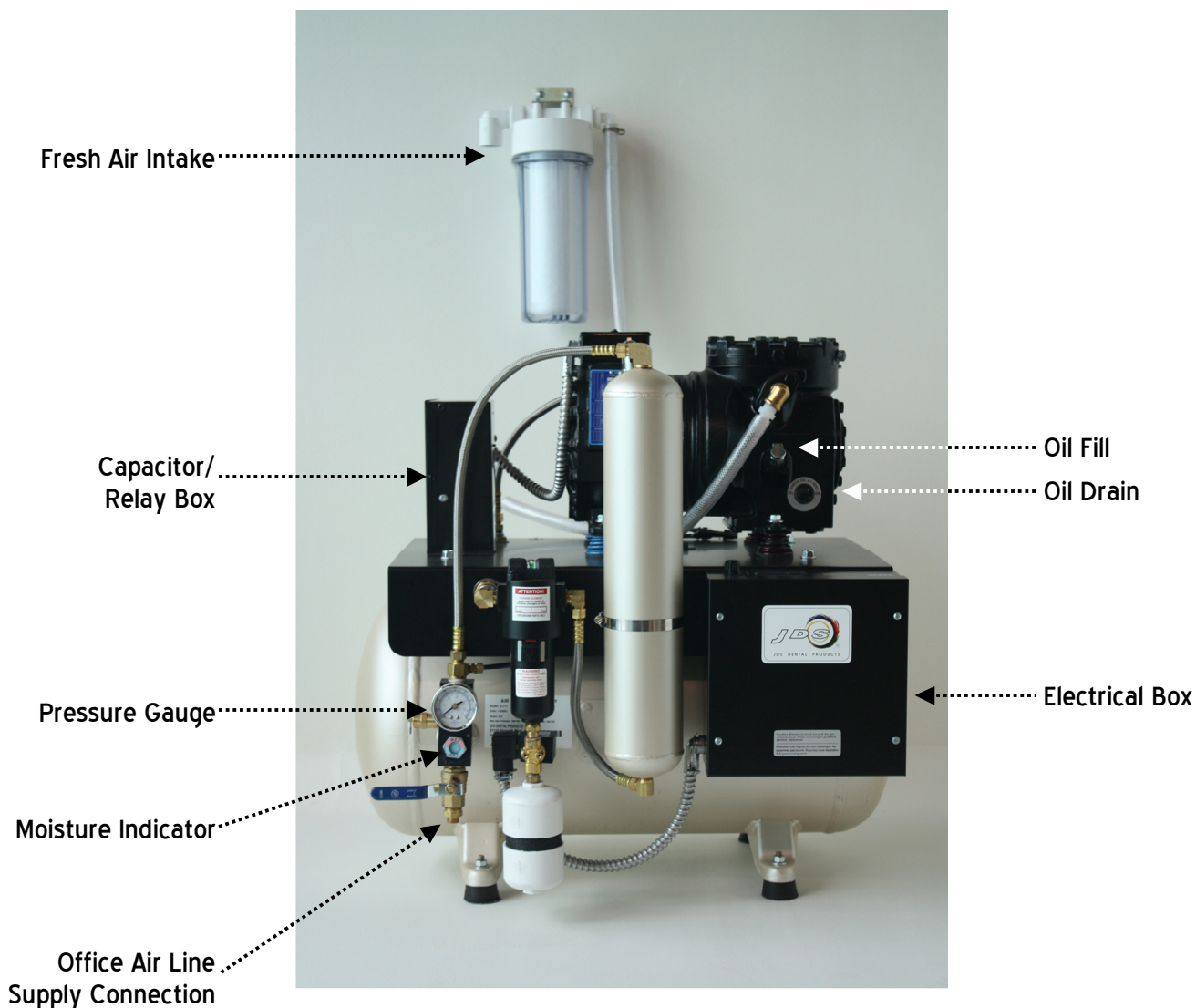
JLC Series

JLC11 - 115 V

JLC12, JLC22, JLC32 - 208-230 V

Notes:

- Compressor system must be installed per local plumbing and electrical codes
- Fresh air intake termination pipe to be provided by installer



Installation Kit Provided with Compressors Includes:

1. Exhaust Silencer
2. Fresh Air Intake Filters
3. Oil
4. Feet with Hardware
5. Operatory Air Line
6. Oil Pan

Model JLC11 shown

Components shown are typical on all JLC Series Compressors

The JLC Series was tested and approved by
Los Angeles Department of Building and Safety
(Label is located on top of electrical box)

Compressor Site Requirements

	Electrical			
Model	JLC11	JLC12	JLC22	JLC32
Voltage	115	208 - 230	208 - 230	208 - 230
Single Phase	60 Hz	50/60Hz		
Disconnect Switch Box	20 Amps	20 Amps	20 Amps	30 Amps
	Plumbing			
Delivery Line	Compressor Exit: 1/2" FPT 6' Main Trunk Line Ends: 1/2" MPT			
	Environmental			
Equipment Room Ambient Temperature	40° F to 104° F (4° C to 40° C)			
Relative Humidity	10% to 90%			
Atmospheric Pressure	500 hPa to 1060 hPa (0.49 atm to 1.05 atm)			

Disconnecting means shall be installed within site of the installed compressor.

Important Information

Intended Use

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

Electromagnetic Interference

All JDS lubricated compressors are designed and manufactured to minimize electromagnetic interference with other devices.

However, if interference is noticed between another device and these units:

- Remove interfering device from room
- Plug interfering device into an isolated circuit
- Increase separation between unit and interfering device
- Contact JDS if interference remains

Disposal of Equipment

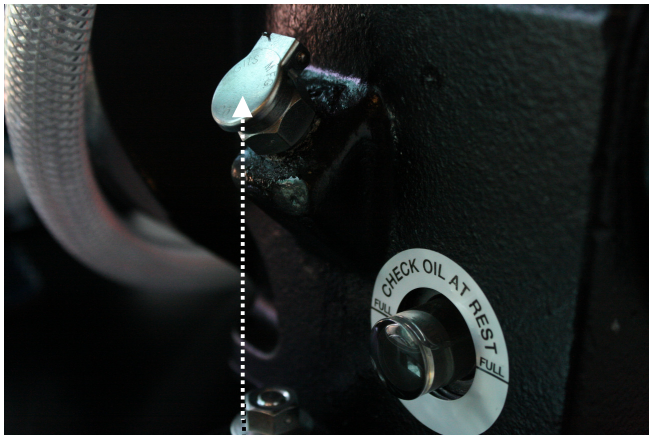
At the end of product life, goods and other accessories, including the unit, may become contaminated from normal use. Consult local codes and ordinances for proper disposal of equipment, accessories and other consumable good.

Installation

Note: Compressor system must be installed in an air conditioned or ventilated room to ensure operational ambient temperature. A 6" clearance is required behind the unit and one side to allow air flow. Failure to do so can cause premature loss of system performance and void warranty. Also, do not install within patient vicinity due to elevated temperatures.

Note: When filling compressor motor with oil, use only JDS approved oil. Failure to do so will result a void in warranty.

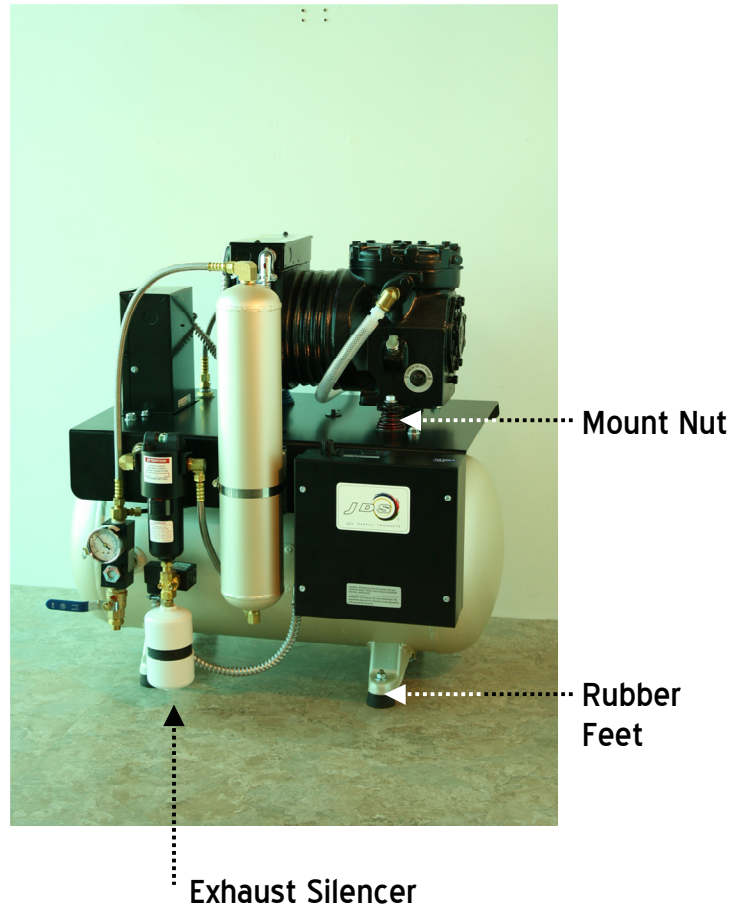
1. Remove compressor and accessories from box.
2. Move compressor to a dry, well ventilate area on a solid, level surface.
3. Install rubber feet (Included).
4. Attach exhaust silencer into bottom of solenoid.
5. Remove tape from oil filler cap(s) and fill up if less than 1/3 full.
6. Connect fresh air intake filter to barbed fitting on the compressor head with the provided hoses, and clamp.



Oil Fill Cap

WARNING:

Always disconnect the power before servicing. The surfaces of the compressor head(s) can become very hot depending on usage. Do not touch these parts during or directly after operation.



Installation

7. Connect remote panel wires to Low Voltage Control wires. (Refer to the Control Panel Reference Cross Wiring chart inside of cover.)
8. Connect Conduit Cable to user supplied electrical box.
9. Check to see that the shut-off valve is closed.
10. Turn power on. On/Off switches are located inside the compressor electrical box.
11. Use soapy water to check for leaks.
12. Open the shut-off valve slowly and allow air to flow into the office air system.
13. Allow about 30 seconds for the office air lines to pressurize. Check pressure gauge.
14. Check gauge reading after 10 minutes. (If pressure gauge drops, an air leak exists. Locate and repair the leak)

JLC11 - 115 V Model

115 V source
Single phase, 60 Hz
20 amp fuse
Circuit breaker box

JLC12, JLC22, JLC 32 - 208-230 V Models

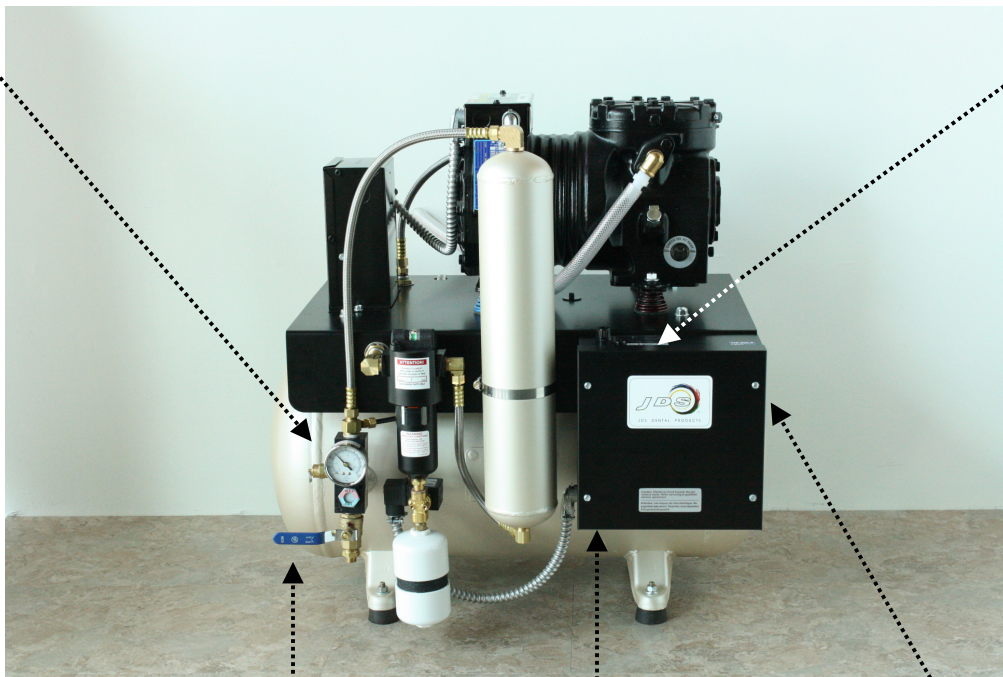
208-230 V source
Single phase, 50/60 Hz
20 or 30 amp fuse
Circuit breaker box

WARNING:

The On/Off switch only control the secondary circuit power. The main power source is the circuit breaker panel. The circuit breaker panel must be turned off to remove all power in the control box.

Pressure Gauge

Low Voltage Control Wires



Shut-off Valve

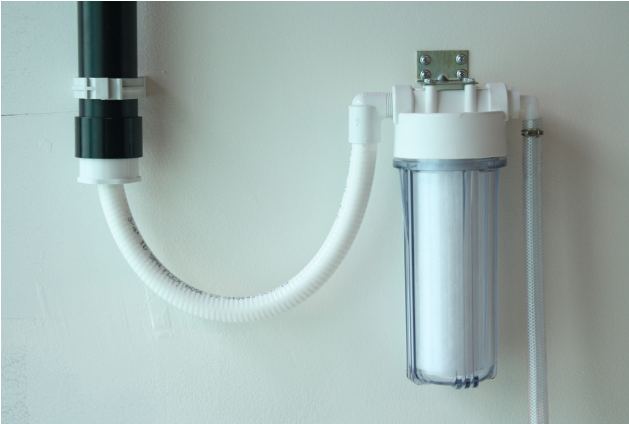
Conduit Cable

On/Off Switches (Inside)

Note: To access On/Off switches, loosen four screws in front of electrical box to remove cover. Replace cover after turning switches on.

Installation

Air Plumbing Connections



Applies to models JLC11 and JLC12.

Connect the 1/2" hose (provided) from the air intake filter to the compressor head air intake. Connect the intake of the air filter to an outside air source. If no such connection to the outside air exists, do not connect the intake portion of the filter.



Applies to models JLC22 and JLC32.

Connect the 3/4" hose (provided) from the air intake filter to the compressor head air intake. Connect the intake of the air filter to an outside air source. If no such connection to the outside air exists, do not connect the intake portion of the filter.



Oil Pan

Due to our specialized exhaust silencer design, the JLC series does not need to be connected via tubing and an oil catcher.

Place the provided oil pan under the exhaust silencer, and the oil will drop into the pan. No tubing needed.

When oil pan is full, please dispose of oil properly.

Note: To prevent moisture from entering the compressor:

- Incoming fresh air temperature must not exceed room temperature by more than 20 degrees Fahrenheit or -6 degrees Celsius.
- Fresh air intake should be routed to outside air source
- Tight bends in hoses may cause them to collapse and may lead to equipment failure.