

OPERATING INSTRUCTIONS

This section describes the operating controls and indicators, detail theory of operation, and operating procedures.

OPERATING CONTROLS AND INDICATORS

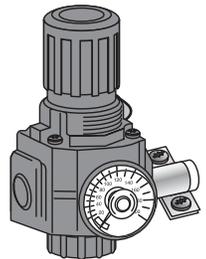
Jenny compressors are designed to be highly reliable and very simple to operate. Therefore, there are only a few operating control and indicators. They are as follows:

On/Off Switch (SW-3, SW-4, Start/Stop Control & Dual Control)- A switch which allows the operator to manually turn the machine on and off. The switch is located either on the motor, as in the case of the SW-3 and SW-4, or a rotatable lever on the pressure switch for Dual Control and Start/Stop control.



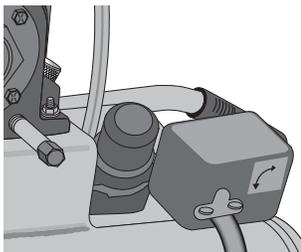
Receiver Pressure Gauge - Indicates the receiver tank air pressure in PSI. The receiver gauge is located either directly fitted to the receiver tank or on the manifold block.

Pressure Regulator - The pressure can be increased or decreased by turning the knob on the regulator. Clockwise increases the outlet pressure and counterclockwise decreases the outlet pressure.



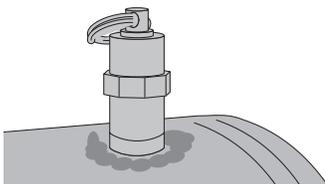
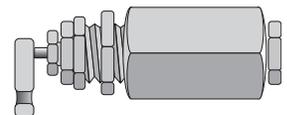
Pressure Regulator Gauge - Indicates the outlet or line pressure in PSI. The pressure regulator gauge is located on the pressure regulator

Oil Level Gauge (If so equipped) - Allows for the visual inspection of the oil level in the crankcase of the pump through a clear window or sight glass.



Pressure Switch (Start/Stop Control & Dual Control) - Starts and stops the unit at predesignated high and low pressures. The compressor will start when the pressure within the receiver tank falls below the preset low pressure setting and will stop when the system has reached the high pressure setting. Also located on the pressure switch is a rotatable lever that allows the operator of the unit to turn the unit on or off.

Pilot Valve (Constant Run and Dual Control) - Opens and closes the air intake check valves at predesignated high and low pressures while the motor or engine runs. The air intake check valves will be allowed to operate normally when the pressure within the receiver tank falls below the preset low pressure setting and will hold the intake check valves open when the system has reached the high pressure setting.



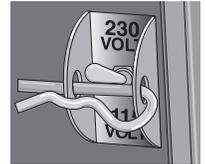
Safety Valve - A safety valve is provided on all Jenny compressor units. The purpose of the safety valve is to relieve system and tank pressure to the atmosphere at a predetermined high pressure limit. In most cases, this is an indication that there has been a failure in air system somewhere and the cause should be investigated immediately.

Dual Control Switch (If so equipped) - Dual Control Units allow the compressor to operate in both constant run and start-stop control. The unit has both a pilot valve and a pressure switch. The unit

can be switched from either operating mode by opening and closing a ball valve. The pilot valve is used to control the compressor when operating in the constant run and the pressure switch is used to control the compressor when operating in the stop/start mode.

A good rule of thumb in determining which is the best mode of operation is by the amount of time the compressor will be required to supply air. If the demand for air is infrequent, then the unit should be set up for stop/start operation to minimize unnecessary run time and operational wear and tear and to save energy. If there is a frequent or extended demand for air, and/or the unit is located in a distant or remote area where access to the compressor is difficult, the unit should be set up for constant run to minimize the number of times the motor must start in an hour to ensure good motor life.

Dual Voltage Switch (If so equipped) - The dual voltage switch allows the operator to change the operating voltage of the unit from 115VAC to 230VAC by toggling the switch to the corresponding voltage position.



Magnetic Starter (If so equipped) - A magnetic starter is included on all models 5HP and larger simplex and all duplex single phase units and three phase units. The magnetic starter works in conjunction with a pressure switch to start and stop the electric motor. The magnetic starter is primarily a switch which can take the full load of starting and stopping an electric motor when other switching devices are incapable of handling this load. Starters typically are made of two components; the contactor and a heater overload block.

The contactor is a switch designed to engage and disengage all the power to an electric motor. The heater overload blocks is a protective device for the motor. If the motor draws over a preset number of amps, the overload will disengage the starter and shut the unit down.

PREPARATION FOR USE

Read and understand the safety instructions before using any Jenny Air Compressor.

Prior to any use of the compressor, it is important to follow the check list outlined below:

1.) **Check the pump and gasoline engine (if so equipped) to ensure proper oil levels as specified in Section 5.**

CAUTION Do not operate the unit without or an inadequate amount of lubricant(s). This may cause severe damage to the air compressor pump or gasoline engine (if so equipped).

2.) **Check oil level safety relief valve operation, air filter cleanliness, air receiver condensate as specified in Section 5.**

3.) **Perform all the preventive maintenance servicing as specified in Section 5 of this manual.**

LUBRICATION

If the unit is portable, lubrication of the wheels may be required. Use a high quality standard grease. Maintain proper oil level in the compressor pump and gasoline engine if so equipped.

AIR CLEANER

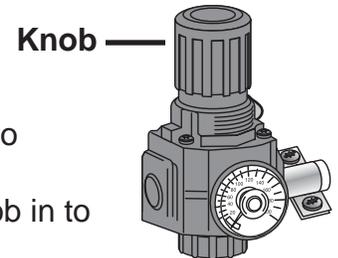
The air cleaner is of the dry, replaceable type. One of the most important service requirements for long term maintenance free operation is to replace or clean the air cleaner element regularly.

⚠ CAUTION

Excessive wear, high oil consumption and poor performance will result if the air cleaner is clogged or allows contamination to enter the compressor. Refer to maintenance instructions in Section 5 for service instructions and intervals for cleaning or replacement of element.

ADJUSTING REGULATOR

1. Pull regulator knob out
2. Turn knob clockwise to increase regulated pressure and counter clockwise to decrease regulated pressure.
3. When desired pressure is shown on the regulated pressure gauge push knob in to lock.



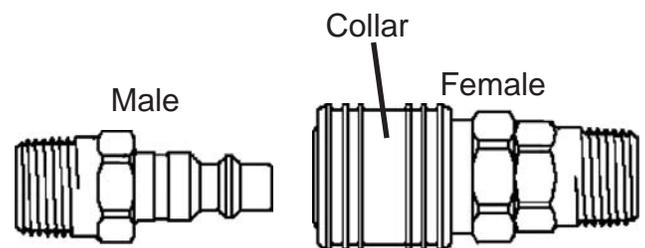
NOTICE

Never adjust the regulator down to the very bottom of adjustment range, damage to the regulator may result

CONNECTING AND DISCONNECTING HOSES

To Connect:

1. Ensure that the regulated pressure gauge reads 0 PSI and that all system pressure is relieved.
2. Hold hose in hand at the quick coupler location.
3. Pull back collar or sleeve on female quick connect coupler located on the compressor.
4. Push male connector into female connector.
5. Release female connector.
6. Grasp hose and pull to ensure couplers are seated.
7. Adjust regulator to the desired pressure.



To Disconnect:

1. Ensure that the regulated pressure gauge reads 0 PSI and that all system pressure is relieved.
2. Hold hose in hand at quick coupler location.
3. Pull back collar or sleeve on female quick connect coupler located on the compressor.
4. Pull male connector out of female connector.
5. Release female connector.

Firmly grasp hose in hand when connecting or disconnecting to prevent hose whip.

⚠ WARNING

An improperly seated coupler can blow off the machine when started.