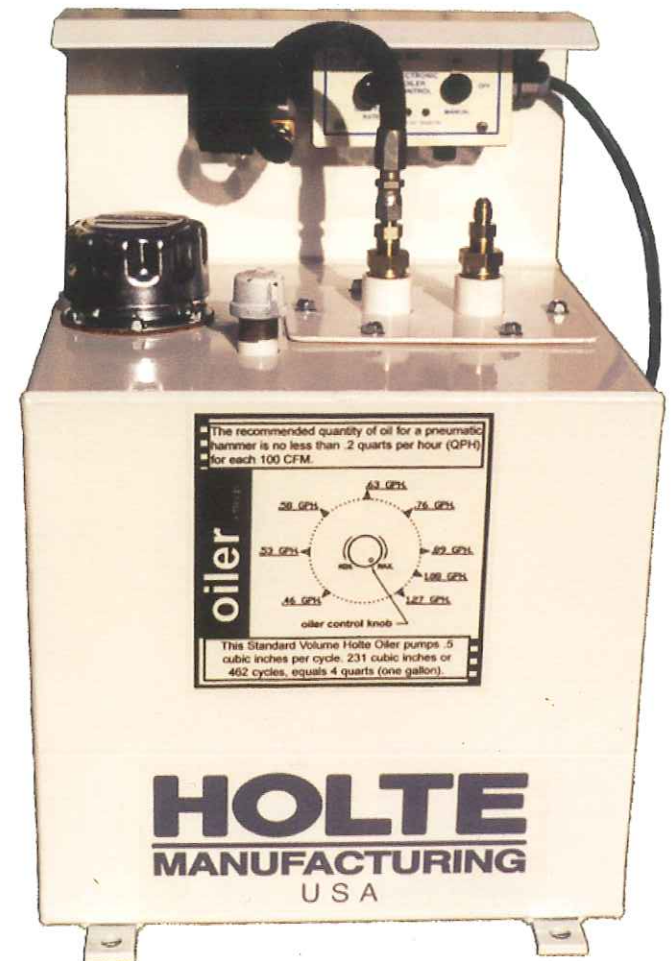


HOLTE OILER USER GUIDE

Holte Manufacturing Company, Inc.



HOLTE
MANUFACTURING

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www.drilling.com

HOLTE

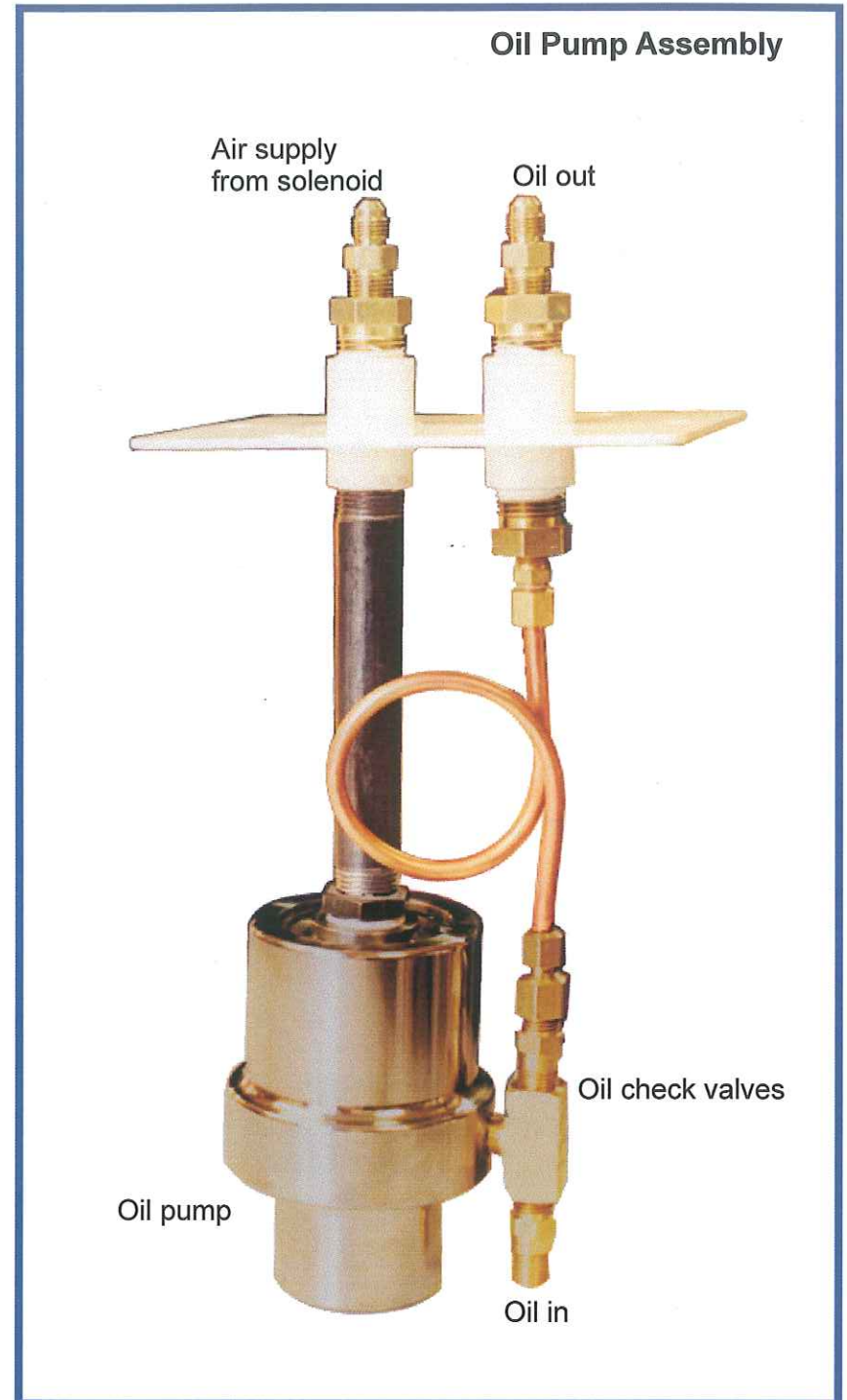
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INSTALLATION

INSTALLATION

Air Supply goes into the **Solenoid**, which has an outlet hose to the pump. The **Oil Out Line** from the pump is the far right fitting on the lid.

WIRING

The wire set from the electronic timer is black and white or black and red. The black wire is negative ground. The white or red wire is 12-volts positive. 12-volt controllers are standard. All other voltage are special order.

AIR & OIL LINE LOCATION

Oiler operating air supply needs to be upstream of the oil out line to avoid oil getting into the air supply.

CAPACITY

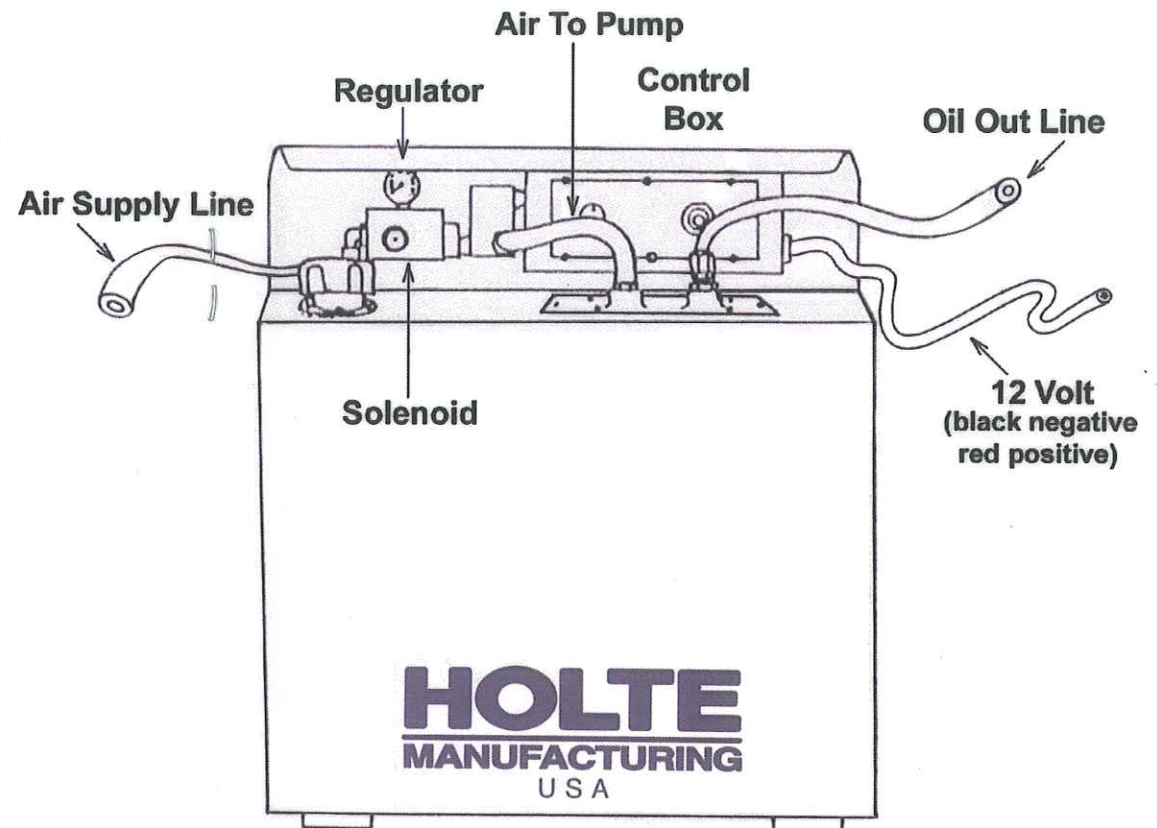
The Holte Oiler holds 7 gallons of oil.

REGULATOR

The high pressure regulator is only needed with air supply pressure above 300 PSI.

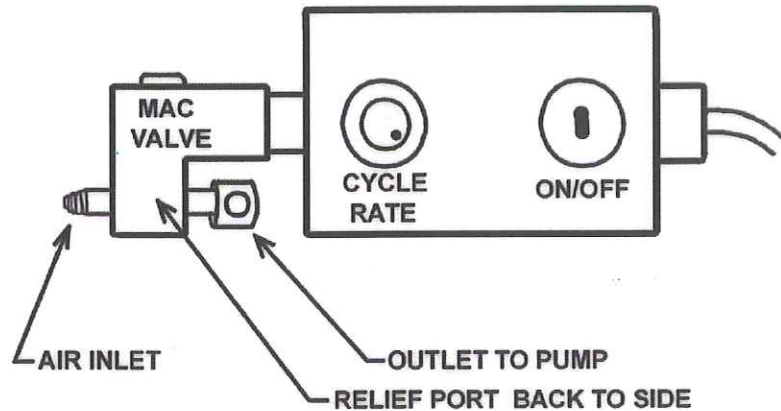


WARNING OILER IS 12 VOLT ONLY

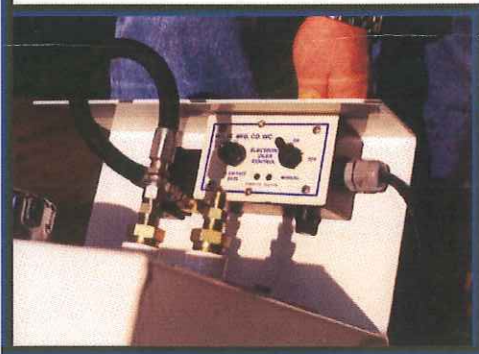


TIMER/VALVE

ELECTRONIC TIMER AND VALVE ASSEMBLY



Electronic timer is used for adjusting the volume of oil. Turning the cycle rate clockwise increases oil volume.



The on/off switch is made for easy operation with only three positions.

- up-** automatic timer
- middle-** off
- down-** manual pump

OPERATING HINTS

INTERNAL SYSTEM

The oiler has an air powered positive displacement pump. The air gets to the pump piston through a solenoid valve. The solenoid valve receives a signal from a variable frequency electronic timer. Each pulse of the timer results in displacement of $\frac{1}{2}$ cubic inch of oil for the standard oiler and $1\frac{1}{2}$ " displacement for the high volume oiler. The pressure ratio is 3 to 1, 100 PSI of air pressure equals 300 PSI oil pressure.

When the electronic timer signal cycles to off, the pump recharges by means of a return spring in the pump.

SWITCH POSITIONS

The on/off pulse switch has three positions. Up is automatic on operation. Down is for pulse operation and has a spring to return the switch to off. The center position is off. When pulsing manually to charge the lines you should hold the switch down for two seconds, let up to center (off) for two seconds and repeat until the line is charged. Oil will come out the open end.

OILING TOOLS

For oiling a Down the Hole Hammer it is best to get your air supply from the down hole air line and return to the down hole air line.

For oiling a Casing Driver you must get the air supply from the casing driver air. Otherwise, if the Casing Driver is turned off the hoses may fill with oil and when the casing driver is turned back on the oil will blow all over.

OPERATING HINTS

OIL VOLUME

OILER VOLUME CONTROL OPTIONS

Holte Manufacturing makes two oiler volume options to choose from, standard and high volume.

The **standard volume pump** is used with tools requiring not as much oil, such as 6", 8" and 10" down hole hammers. This oiler control can be set to disburse 2 QPH (quarts per hour) up to 12 QPH volume of oil.

The **high volume pump** is used when drilling with large tools such as 16", 20" and larger down hole hammers. Its control can be set to disburse 4 QPH to 36 QPH volume of oil to tools.

OIL USAGE (Standard Volume Oiler)

One gallon of oil has approximately 231 cubic inches volume. One cycle every four seconds at maximum setting equals 900 cycles or 693 cubic inches. At this rate, the oil usage is 3 gallons per hour.

OILER SPACERS

The amount of oil delivered with each cycle can be a larger quantity without the spacer or a smaller quantity with the spacer, it depends on what your oiling requirement is.