

Sandblasting Air Connections and Setup

The Compressor

Compressor Pump – takes in ambient air and pressurizes it by pumping it into the storage tank until the pressure switch shuts off the power to the motor

Pressure Switch turns compressor on when tank pressure drops to 90 psi

Pressure Gauge reads storage tank pressure

Air Storage Tank



The Pressure Regulator

Regulators are usually included on portable compressors

Pressure Regulator – Reduces the pressure of the air from the storage tank and keeps it constant regardless of storage tank pressure which varies due to compressor cycling

Quick Disconnect Fitting - Hose

Pressure Gauge – Reads pressure of air being delivered from the regulator to the tool

Water Separator (trap) – removes water from the air as air flows through the regulator (not all regulators have this feature)

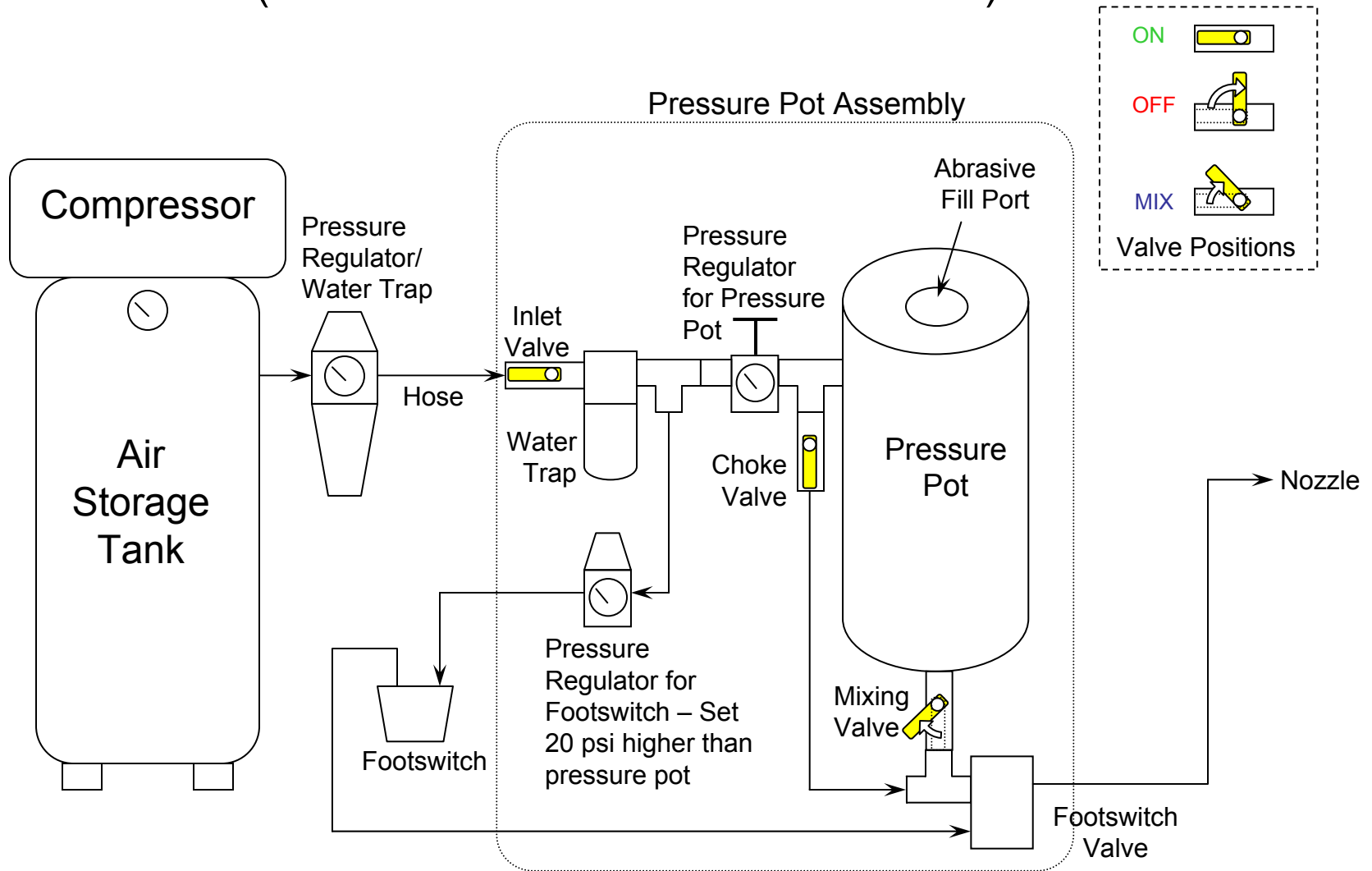
Water Drain Valve – allows water to be drained from water separator

Air hose from compressor



Pressure Pot Schematic

(For a Pressure Pot with a Footswitch)

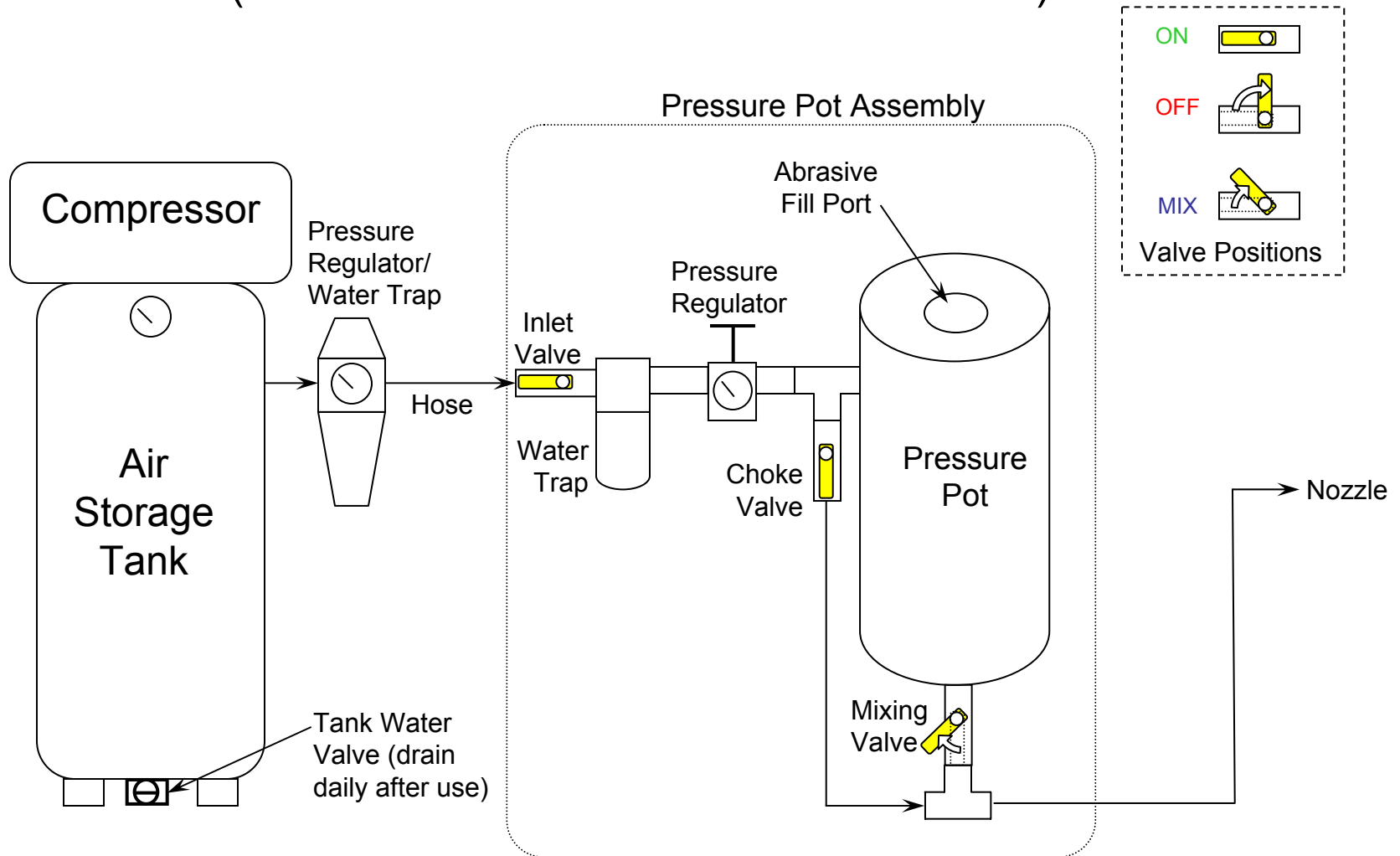


This Diagram shows the “starting position” for all valves when setting up a pressure pot.

Inlet valve = Full Open, Choke Valve = Full Open, Mixing Valve = Closed halfway

Pressure Pot Schematic

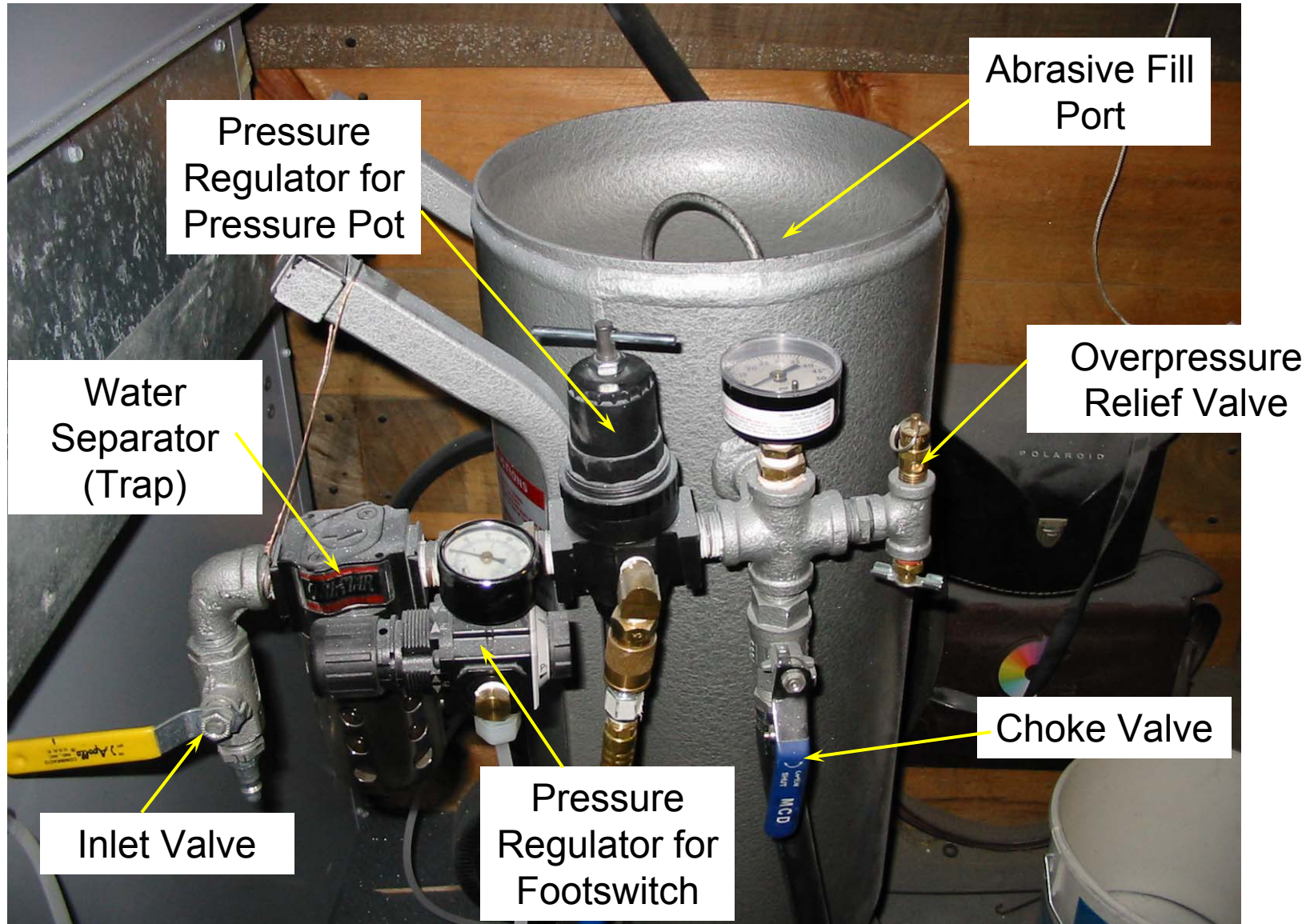
(For a Pressure Pot without a Footswitch)



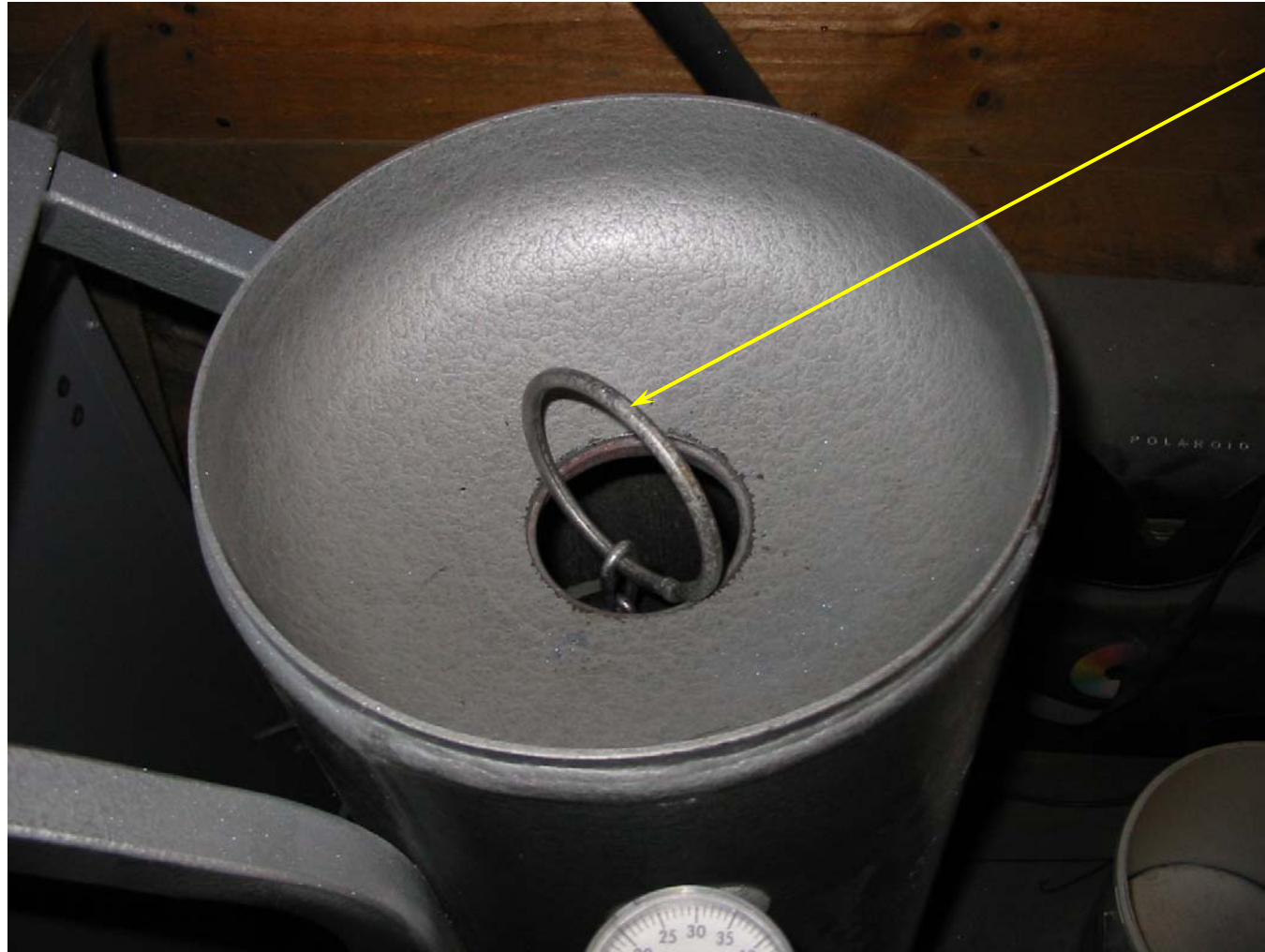
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Pressure Pot with Footswitch



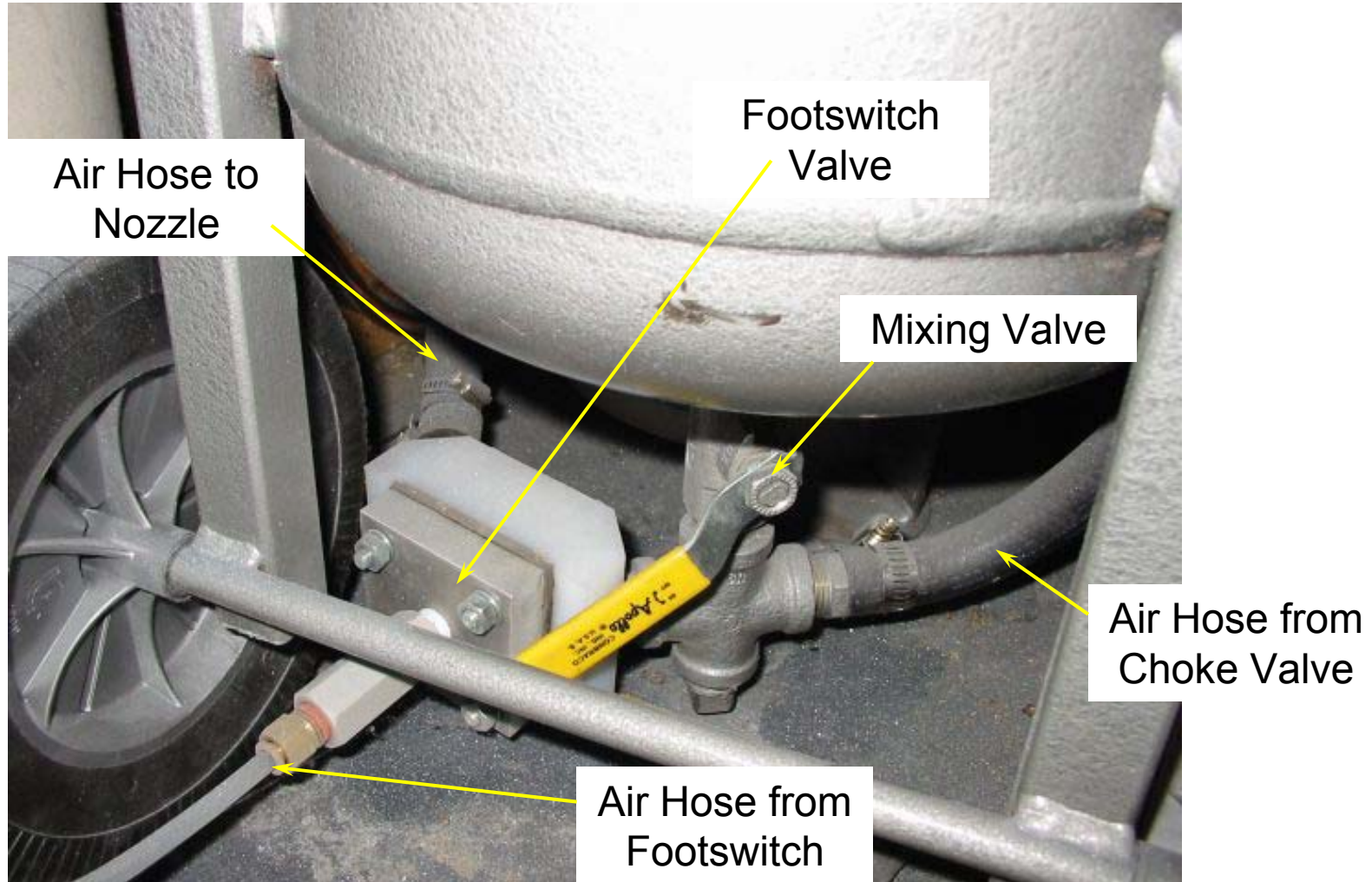
Abrasive Fill Port



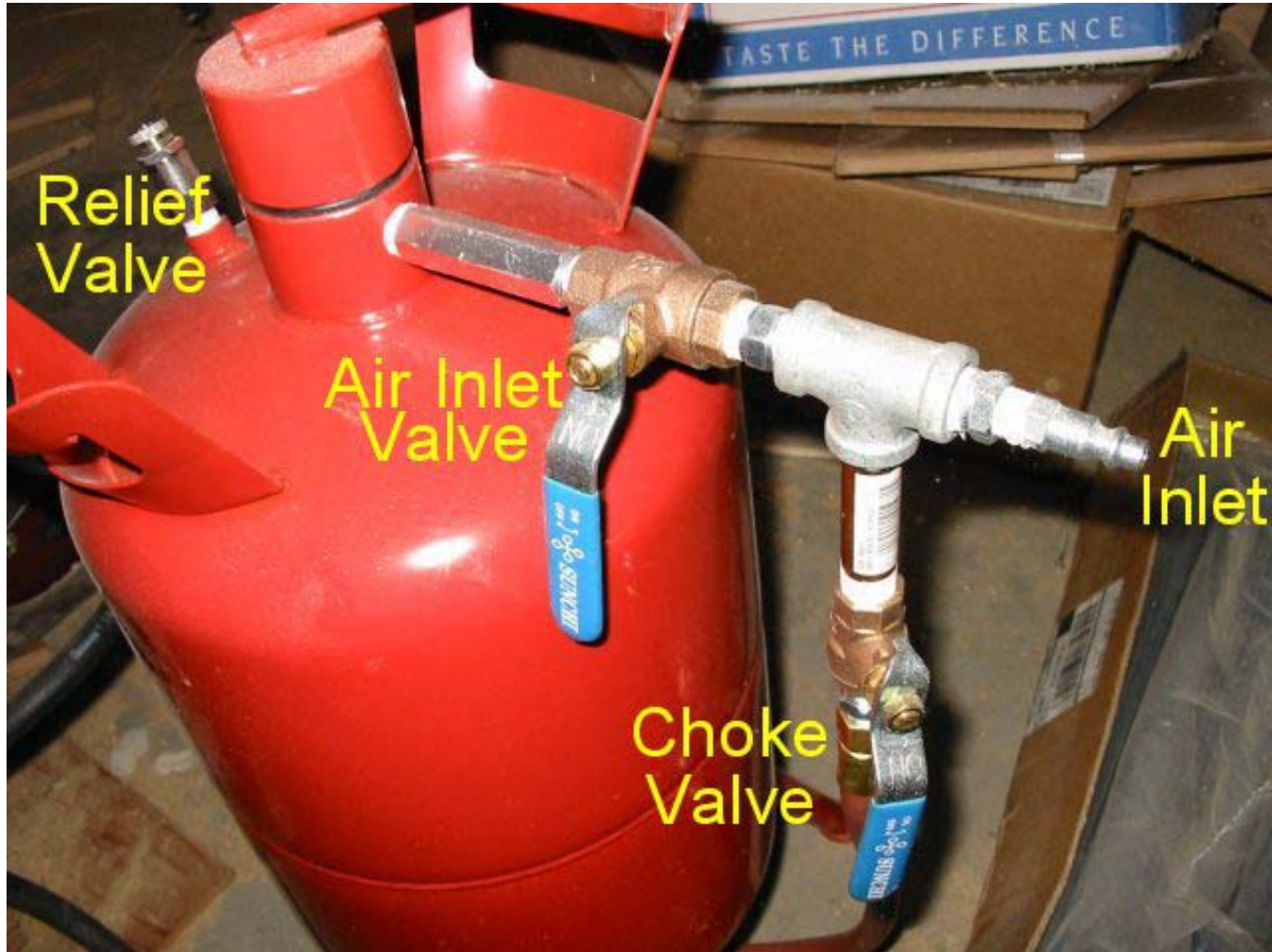
Handle is lifted while pressurizing pot to create the pressure seal.

Rattle handle to make sure abrasive is knocked off seal prior to pressurizing or leak may result

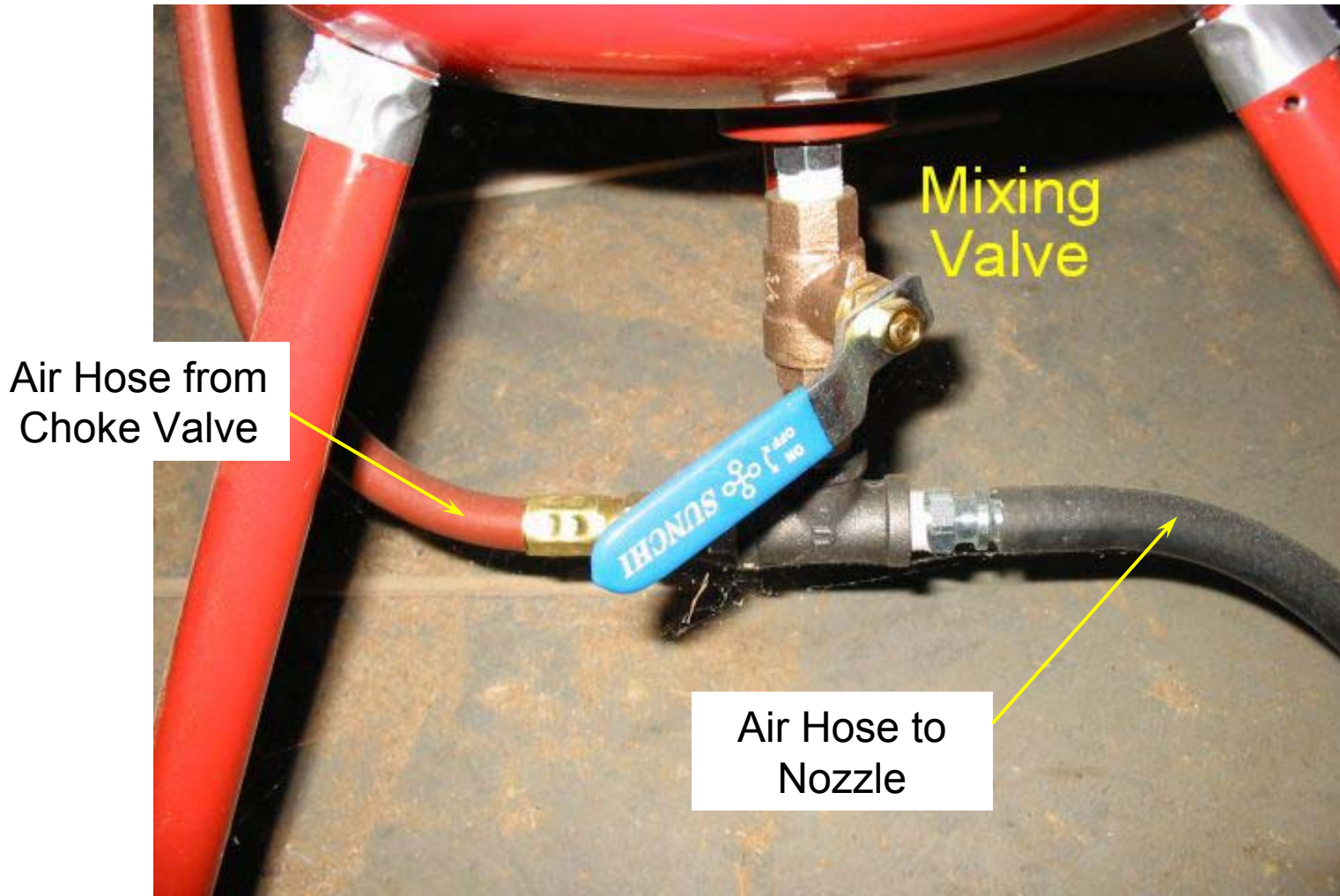
Mixing and Footswitch Valve



Pressure Pot Without Footswitch



Mixing Valve (no footswitch)



Directions for Operation

- Turn on Compressor and let pressure build
- Set Compressor Regulator to 60 – 75 psi
- Adjust Mixing Valve on Pressure Pot to half-closed (45°)
- Open Air Inlet Valve on Pressure Pot
- Set Footswitch Regulator to 50 psi (turn clockwise to increase)
- Lift Handle or seal pressure pot and set Pressure Pot Regulator to 25 psi (turn clockwise to increase)
- Have a Blast!!!
- Reduce Pressure Pot Regulator to 0 psi (turn counterclockwise to decrease)
- Open Tank Water Valve to Drain Moisture
- Turn off Compressor