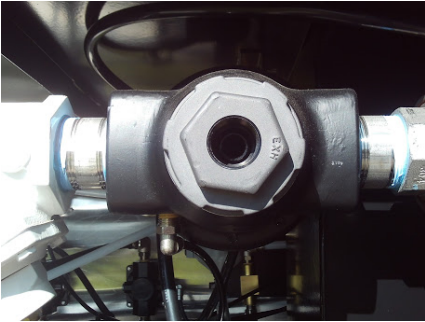
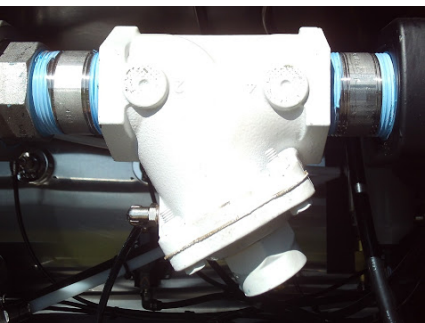


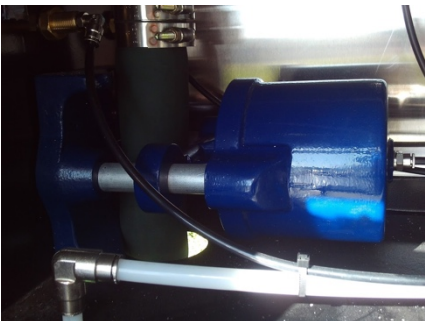
MAJOR COMPONENT LIST



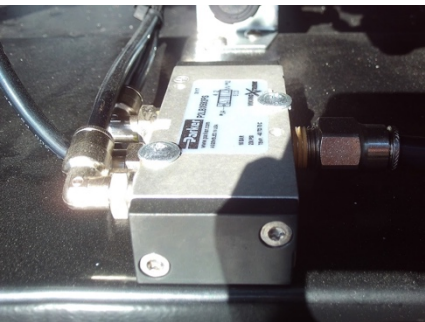
Pilot Regulator – This takes the inlet air supply and brings it down to blast operating pressure. It is controlled by the blast pressure regulator.



Auto Air Valve – (Air to operator to preset the Open). This allows the blast pressure without activating the deadman switch. It is controlled by the deadman switch.



Pinch Valve – (Air to Close). This stops the flow of grit from the blast pot by squeezing close the pinch hose. It is also controlled by the deadman switch during blasting operation.



Pneumatic Switch – This controls the air flow between the deadman switch and auto air valve by shifting a plunger inside of switch. Thus, cutting the air supply to the pinch valve and supplying air to the auto valve.



Estop Switch – (In Case of Emergency). This stops the air supply from the deadman switch to the pneumatic switch. Thus, forcing the pinch valve to close and cut the flow of grit.



Pot Pressure Regulator – (0-60 psi). This controls the air supply to the GBT water pump motor.



Blast Pressure Regulator – (0-250 psi). This controls the air supply to the pilot regulator valve, which allows you to preset the blast pressure.

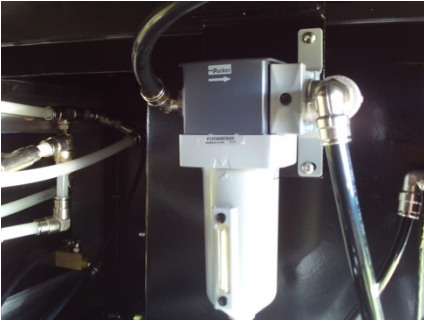


Mini Regulator – (0-125 psi). This controls the air supply to the pinch valve. A 1/8" gauge located on the end of the service panel. Recommended pressure set @ 90-100 psi.



Deadman Switch – This allows the operator to start and stop the blast flow. It is located at the end of the blast hose.

In Panel R/V – (some earlier models). This protects the GBT pump from too much pressure and will blow to relieve the pressure. It is located inside of service panel on the air line to the GBT pump, which is set @ 35 psi.

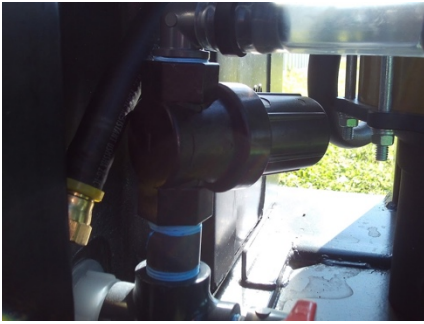


Water Separator – This removes the moisture and trash from the air supply to the operating components inside of the service panel.

Water Separator Element – This is the filter within the water separator. This element should be checked regularly and replaced as needed.



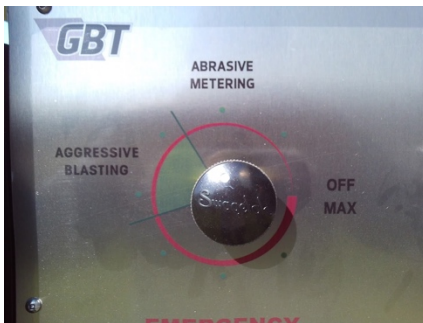
GBT Pump – (5 to 1 ratio). The heart of the blast unit. It pushes 5 pounds of water pressure to every 1 pound of air.



Water Tank Strainer – This keeps contaminants away from the pump suction. Strainer should be checked regularly.



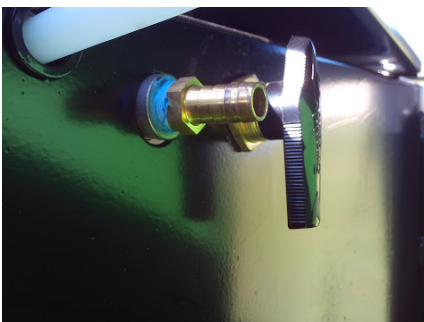
3-Way Selector Valve – (Pot Fill, Off, & Blast). This controls the water flow by switching the valve. It allows the operator to pressurize the pot quickly after loading the blast material and switch when blasting operations begins.



Abrasive Meter Valve – This controls the amount of water flow to the pot during blasting operations and the amount of grit out of the hose.



Surface Rinse – This allows the operator to wash down the surface after the blasting is complete. It also flushes out any grit left in the hose. Important Note: Pot Shut Off Valve / Slurry Valve must be closed.



Washdown Valve – This allows the operator to wash down the pot after loading the grit. It is located at the end of the control panel between the panel and pot.



Pot Shut Off Valve / Slurry Valve – (1.5" Apollo Valve). This is the last valve to open to start blasting, and the first valve to close after blasting. It is located at the end of the hose that is directly connected to the bottom of the pot.



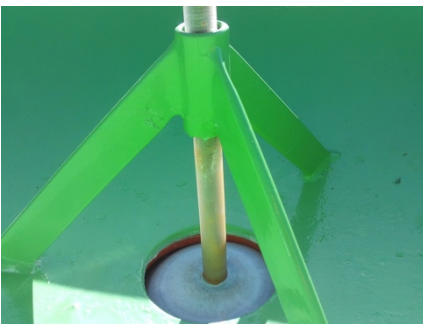
Blowdown Valve – (1.25" Apollo Valve). This allows the removal of excess water out of the pot during pot fill. It is opened when grit is being added to the pot and closed prior to pressurizing the pot.



Air Purge Valve – (.75" Apollo Valve). This is used during pressuring of the pot by forcing the trapped air out of the pot. "Burping": opening and closing the valve until only water comes out.



Hand Hold Gasket – The gasket on the service cover of the pot.



Pot Gasket – An orange gasket that allows the pot to pressure up and seal to the pot plunger. It is located inside on the top side of the pot.



Pot Plunger – This is used to completely seal up the pot. It must be held up until the pump builds enough pressure to maintain the seal. It is located at the top of the pot.