

Blast Machine Troubleshooting

Symptoms	Probable Fault	Action Required
<p>1.1 No air or abrasive passes through the nozzle</p>	<p>Compressor not turned on</p> <p>Rubber Insert on deadman handle missing</p> <p>Pressure Regulator (when fitted) not set or malfunctioning</p> <p>Water Separator blocked</p> <p>Remote Control Valve not working</p>	<p>Turn on compressor</p> <p>Check insert & replace if necessary</p> <p>Check setting Check for correct operation</p> <p>Check and clean - See Owners Manual</p> <p>With safety petcock and deadman handle closed, check remote control valve and along remote control hoses for air leaks and loose connections</p>
<p>1.2 No abrasive passes through the nozzle</p>	<p>Abrasive metering valve closed</p> <p>Damp abrasive or large object restricting flow at base of cone</p> <p>Sleeve valve on remote abrasive valve (when fitted)</p>	<p>Open valve</p> <p>Quickly close and open the choke valve Remove inspection door assembly and clean out vessel and abrasive metering valve.</p> <p>Open Valve</p>
<p>1.3 Intermittent flow of abrasive</p>	<p>Abrasive metering valve not adjusted correctly</p> <p>Rubber sleeve in metering valve worn or split</p> <p>Blockage as 1.2</p> <p>Damp abrasive in machine</p>	<p>Check setting</p> <p>Operate choke valve or clean out vessel and valve as 1.2</p> <p>Check that water separator is functioning correctly with the drain cock opened to purge moisture</p>
<p>1.4 Abrasive surges from the nozzle</p>	<p>Abrasive metering valve opened too fully</p>	<p>Check setting and reduce flow</p>

	Choke valve not fully open	Check handle position and open
1.5 Pop-up valve will not remain seated against sealing ring	Insufficient volume or pressure of air	<p>Check air supply from compressor with hypodermic needle gauge.</p> <p>Close choke valve , if pop-up valve then seals insufficient air supply is available</p> <p>Check condition of water separator-see Owners Manual</p> <p>Check action of Remote Control Valve</p>
1.6 Pop-up valve will not drop after depressurisation	<p>Worn pop-up valve and/or sealing ring</p> <p>Abrasive trapped in vertical pipe work</p>	<p>Remove and replace both valve and sealing ring</p> <p>Remove inspection door assembly and pop-up valve then clean out</p>
1.7 Machine will not depressurise	<p>Blockage in deadman handle and/or Remote control hoses</p> <p>Faulty Remote Control Valve</p>	<p>Remove and clean out</p> <p>Remove and repair</p>