

TROUBLESHOOTING

The following is provided as a guide to possible problems that may be encountered at any time; it cannot be comprehensive BUT please consider these matters before calling your maintainer for assistance.

Problem	Possible Cause/s	Possible Resolution/s
Nothing at all is happening	<ul style="list-style-type: none"> Power supply missing or faulty. 	<ul style="list-style-type: none"> Check external power supply; check each phase if 3-phase; check neutral circuit.
	<ul style="list-style-type: none"> External isolator switched off. 	<ul style="list-style-type: none"> Trace back external power feed, ensure switched on.
	<ul style="list-style-type: none"> Emergency stop on contactor box pressed. 	<ul style="list-style-type: none"> Check contactor box and ensure that stop button is out.
	<ul style="list-style-type: none"> Pressure switch turned off. 	<ul style="list-style-type: none"> Check pressure switch set to AUT/1/ON.
	<ul style="list-style-type: none"> Loose wiring connection. 	<ul style="list-style-type: none"> Check wiring against diagram; check for loose wires.
Compressor running (very quiet or very noisy) but no pressure	<ul style="list-style-type: none"> Con-rod may be broken (most likely cause is running dry). 	<ul style="list-style-type: none"> Remove compressor head, check piston/con-rod – if broken, pump needs replacing.
	<ul style="list-style-type: none"> Valve plate may be worn/damaged. 	<ul style="list-style-type: none"> Remove compressor head, check valve plate – if broken, replace.
Compressor running (sounds normal) but there is no pressure	<ul style="list-style-type: none"> Valve plate may be worn/damaged. 	<ul style="list-style-type: none"> See above.
	<ul style="list-style-type: none"> May be leak from compressor head, hoses or pipework. 	<ul style="list-style-type: none"> Check joints and hoses, repair or replace if any leaks.
	<ul style="list-style-type: none"> Safety relief valve may be passing. 	<ul style="list-style-type: none"> Check safety relief valve.
Compressor trying to run but sounds 'jammed'	<ul style="list-style-type: none"> Piston and/or con-rod may be seized (probably bad oil or run dry). 	<ul style="list-style-type: none"> Remove compressor head, check piston/con-rod – if seized, pump needs replacing.
	<ul style="list-style-type: none"> Restricted orifice or air maintenance device (AMD) close to outlet of non-receiver model. 	<ul style="list-style-type: none"> If using restricted orifice or air maintenance device, receiver model is probably required.
	<ul style="list-style-type: none"> Motor may be faulty. 	<ul style="list-style-type: none"> If above checked, consider replacing compressor pump.
Compressor won't start – pressure switch connecting	<ul style="list-style-type: none"> Problem with power supply. 	<ul style="list-style-type: none"> See 'Nothing at all is happening'.
	<ul style="list-style-type: none"> Timer may be 'on-delay'. 	<ul style="list-style-type: none"> Carefully remove contactor box cover; if timer is flashing then it's 'on-delay' and should start soon.
	<ul style="list-style-type: none"> Timer may be faulty. 	<ul style="list-style-type: none"> If incoming power supply is OK, check wiring continuity; if power is entering timer but no lights, then replace timer.
Compressor won't stop	<ul style="list-style-type: none"> Pressure rising? May be problem with pressure switch or blocked orifice. 	<ul style="list-style-type: none"> If confident, remove pressure switch and check orifice; if OK then switch may be faulty.
	<ul style="list-style-type: none"> Pressure stable? Safety relief valve may be passing early, or because pressure switch set too high. 	<ul style="list-style-type: none"> Check if safety relief valve passing; check pressure switch settings.
Compressor starting/stopping quickly (hunting or juddering)	<ul style="list-style-type: none"> Outlet valve may be closed. 	<ul style="list-style-type: none"> Check outlet valves are open.
	<ul style="list-style-type: none"> Restricted orifice or AMD close to outlet of non-receiver model. 	<ul style="list-style-type: none"> If using restricted orifice or air maintenance device, receiver model is probably required.
	<ul style="list-style-type: none"> May be worn/faulty contactor. 	<ul style="list-style-type: none"> Check operation of pressure switch and contactor during observed 'juddering'.