



ISSUE	CHECK	LIKELY CAUSE	CORRECTION
No bubbles at ANY AirStations. Compressor not running, but cabinet fan is.	Unplug system. Check compressor capacitor wiring for frays or poor connections.	Wiring loosened or was damaged during shipment or maintenance.	Contact Vertex or local dealer for instructions.
	No capacitor wiring issues can be seen.	Bad capacitor.	Contact Vertex or local dealer for repair/replacement.
	Capacitor has been replaced.	Compressor is bad.	Contact Vertex or local dealer for repair/replacement.
No bubbles at ANY AirStations. Compressor and cabinet fan both running.	No air leaks are audible in cabinet. Compressor running louder and possible excessive vibration.	Compressor muffler filter is dirty/clogged or silencer tube in muffler cap is blocked.	Clean or replace filter. NEVER re-install a wet filter. Remove debris clogging silencer tube in muffler cap if blocked.
	Compressor operating normally or making unusual noises. Exhibits reduced pressure/air flow.	Compressor needs piston rebuild kit and possibly new muffler filter.	Contact Vertex or local dealer with specifications for rebuild kit. Keep muffler filter clean.
No bubbles at one or more AirStations, possibly all. Compressor and cabinet fan are running	Check for leaks at all connections in line and in cabinet. If none are audible, carefully spray SMALL amount of soapy water onto connections and look for bubbles.	Vibration loosened connection, or cracked fitting.	Tighten loose connection or replace cracked fitting as necessary.
No bubbles at one or more AirStations, most likely all. Compressor and cabinet fan are running	Obvious air leak from solenoid valve.	Solenoid valve bad.	Call Vertex or local dealer for repair/replacement.
No bubbles at one or more, but not ALL AirStations. Compressor and cabinet fan are running.	Are all valves in cabinet wide open?	Improper "balancing" of AirStations.	Adjust valves on manifold in cabinet until all AirStations operate properly. See "AirStation Balancing" section for instructions.
	Valves in cabinet are properly "balanced" and no leaks are evident.	Compressor beginning to lose compression and needs piston rebuild kit.	Contact Vertex or local dealer with compressor specifications for rebuild kit. Keep muffler filter clean.
Large rolling bubbles instead of fine bubbles at surface above one or more AirStations	Inspect each AirStation for malfunction.	Diffuser membrane damaged, or AirStation fitting broken.	Call Vertex or local dealer for repair/replacement.
Air coming out of pressure relief valve	High pressure reading on gauge. Inspect AirStations and tubing for clogging.	All valves closed too much	Rebalance air flow to AirStations
		AirStations partially blocked up	Regular disc flexing not performed. Flex discs 2 times per year to help avoid clogging
	Low pressure reading on gauge. AirStations not clogged.	Bad pressure relief valve.	Contact Vertex or local dealer for repair/replacement.
Compressor stops working for periods of time, then restarts.	Inspect fan for proper function.	Compressor overheating due to bad fan.	Contact Vertex or local dealer for fan replacement. Leave top of cabinet open for cooling if possible, otherwise unplug system until fan is replaced.
Compressor shakes erratically and makes load noises.	Check for low voltage while compressor is running under load.	Gauge of supply wires to circuit possibly undersized, or cabinet is plugged into extension cord. Low voltage damages compressors and voids your warranty. Voltage must be checked while the compressor is running at pressure	If gauge of circuit wiring is incorrect, have electrician replace. NEVER use extension cord to operate system as it will cause a voltage drop and damage the compressor.
	Check for clogged muffler or blocked silencer tube in muffler cap.	Muffler filter in need of replacement, or blockage of silencer tube in muffler cap.	Clean or replace filter. NEVER re-install a wet filter. Remove debris clogging silencer tube in muffler cap if blocked.