



Troubleshooting

Liquid Ring Vacuum Pumps, Compressors & Systems

FAULT	POSSIBLE CAUSE	SOLUTION
The motor is switched on, but it does not start up and no noise can be heard	At least 2 electric lines are interrupted	Check fuses, terminals and cables
The motor does not start up, however a vibration noise can be heard	One or several electric lines are interrupted	Check fuses, terminals and cables
	The rotor is locked	Dismantle machine Drain, decalcify and clean machine Free the rotor Check clearance between rotor and housing for correct adjustment
Main circuit-breaker trips immediately after start up	Short-circuit in motor winding	Check motor winding
	Motor is overloaded	Reduce operating liquid flow rate
	Counter-pressure at discharge connection too high	Reduce counter-pressure
	The liquid flow rate is set too high	Reduce liquid quantity
	Machine flooded	Drain block, remove restriction
	Machine locked	Dismantle machine Drain, decalcify and clean machine Free the rotor Check clearance between rotor and housing for correct adjustment



If the faults are not resolved by the above mentioned actions, the cause may possibly be located in pump operation conditions. In such case, please contact NASH Certified™ Service with the following information.

1. Pump type & model number, serial number, application, etc.
2. Information of piping (suction pressure, strainer, mesh, number of bends, etc)

24/7 Service & Support at NashCertified.com

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FAULT	POSSIBLE CAUSE	SOLUTION
Insufficient vacuum	Machine is too small	Replace machine with a larger one
	Operating liquid flow too low	Increase operating liquid flow rate
	Air enters into system	Check all connections and seals, tighten if necessary
	Mechanical seal leakage	Replace mechanical seal
	Wear on inside of machine	Dismantle machine and replace damaged parts
Unusual noise or squeaking	Cavitation in machine	Feed in air, mount valve on inlet connections or mount anti-cavitation valve
	Operating liquid flow rate is too high	Ensure proper seal liquid flow rate Reduce if too high
	Bearing noises	Inspect bearing for grease quality and quantity. Replace if necessary.
Liquid escapes between housings	Damaged gaskets	Replace gaskets
	Loose screws	Check if screws are tightened in accordance with proper tightening torques.
	Pipe strain	Support piping Eliminate soft shoe

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All NASH Certified Service Centers are ISO 9001:2008, 14001: ???, and OHSAS 18001 certified for quality, health & safety.

Copies of certificates are available at www.GDNash.com