

TROUBLE SHOOTING

PROBLEMS	POSSIBLE CAUSES	SOLUTION
The pump runs but does not produce noise or pressure	The pump is not primed and is running dry	Check if there is water in the suction line
		Check if the delivery (gun) is open
		Check the valves are NOT blocked
The pump runs but is too noisy and/or does not reach the expected pressure	Oversized or worn nozzle	Replace the nozzle
	Insufficient water supply	Clean the filter. Replace the filter with an appropriately sized filter. Eliminate any possible intake of air. Check the size of the suction pipe and replace if necessary with a larger diameter pipe.
	Pressure control valve is not calibrated or working properly.	Calibrate the valve. Check the status of the seat of the seal.
	Damaged suction and/or delivery valve springs	Replace the valves
	Foreign matter in the suction delivery valves	Check and clean the suction and delivery valves
	Worn piston seals	Replace the seals
	Low speed of rotation	Check the motor and the drive
The pump comes up to pressure but pulsates and vibrates strongly	Foreign matter in the valves	Clean the valves
	Worn valves	Replace the valves
	High inlet water temperature	Reduce the water temperature
	Worn piston seals	Replace the seals
	Low speed of rotation	Check the motor and the drive
The pump is very noisy	Foreign matter in the valves	Clean the valves
	Worn bearings	Replace the bearings
	High inlet water temperature	Reduce the water temperature
	Problems with the pump-motor connection	Check the status of the keys, flexible coupling or pulley
Short piston seal life	Cavitation or air in the system	Check the status and size of the suction pipe and replace if necessary with a larger diameter pipe.
	Damaged ceramic piston	Replace the piston
	Excessive pressure and / or temperature of the pumped water	Check the pressure and the temperature of the inlet water
	Prolonged operation in by-pass mode	Limit operation in by-pass mode to no more than 5 min.
	Abrasive solid matter in the water	Fit a suitable filter on the suction line
Water in the oil	Worn piston – oil shaft seal ring	Replace the ring seal
	Condensation is present if the oil is milky (emulsified), but the level does not increase in the crankcase	Change the oil more frequently
	Excessive leaks due to completely worn seals	Replace seals
Water leaking between the crankcase and the manifold housing	Worn seal pack	Replace seal pack
	Worn piston	Replace piston
	Worn piston bolt seal	Replace seal
Oil leaking between the crankcase and the manifold housing Short bearing life	Worn piston - shaft oil seal	Replace the seal
	Problems with the pump-motor connection	Check the status of the keys, flexible coupling or pulley
	The oil has not been changed regularly	Change the oil as instructed in the maintenance manual for the pump
	Excessive pressure of the pumped water	Check the pressure