

**AUSTRALIAN AUTOMOTIVE RESEARCH CENTRE  
SAFE OPERATING PROCEDURE # 7  
ABS PUMP**

(Refer to the Operator's Manual for more detailed descriptions)

BASIC STEPS	HAZARDS	PROCEDURE AND PRECAUTIONS
Routine pre-operational check	Oil leaks Damaged hose Entanglement	Walk around pump, inspect visually, read warning signs and safety decals. Check oil, fuel, safety guards etc. Complete defect form and advise AARC Manager if there are any.
Pump and suction line full of water	Lack of water	Open yellow handle ball valve on top of delivery line and allow water from header tank to fill line and push air out through the non-return valve. You will see this coming out of the copper pipe. Will only take approximately 30 seconds. Shut valve.
Starting Procedures		Ensure gate valves are in correct position. The black valve is shut prior to starting. (Hold in oil pressure button and turn key to start the engine. ) Check pressure gauges for correct readings: - 200 kPa when running through bypass valve - 100 kPa when running on tiles Open main black valve.
Operation	Noise	Wear hearing protection if not leaving once machine has started. If lack of water pressure, check all valves on the track are in the correct positions.
Shut Down		Shut large black valve. Switch engine off.
	Pump losing prime	Faulty foot valve. Priming of pump only required if no water. First open yellow ball valve as per above. If still a problem refer to procedure below.
Priming the Pump	Lack of water	Ensure black valve is shut. Open green valve beside primer and pump until water is coming out hose outside pump shed. Shut green valve and start pump. Familiarize yourself with all controls, engine stop.

**Note: This pump has a bypass valve installed so the green ball valve on the primer is to remain shut at all times unless priming the system.**

**AARC unlocks and locks pumping shed each day.**

**SAFETY IS THE OPERATOR'S RESPONSIBILITY**

**NEVER TAKE RISKS**