

Diagram 1. Standard Installation on Pool

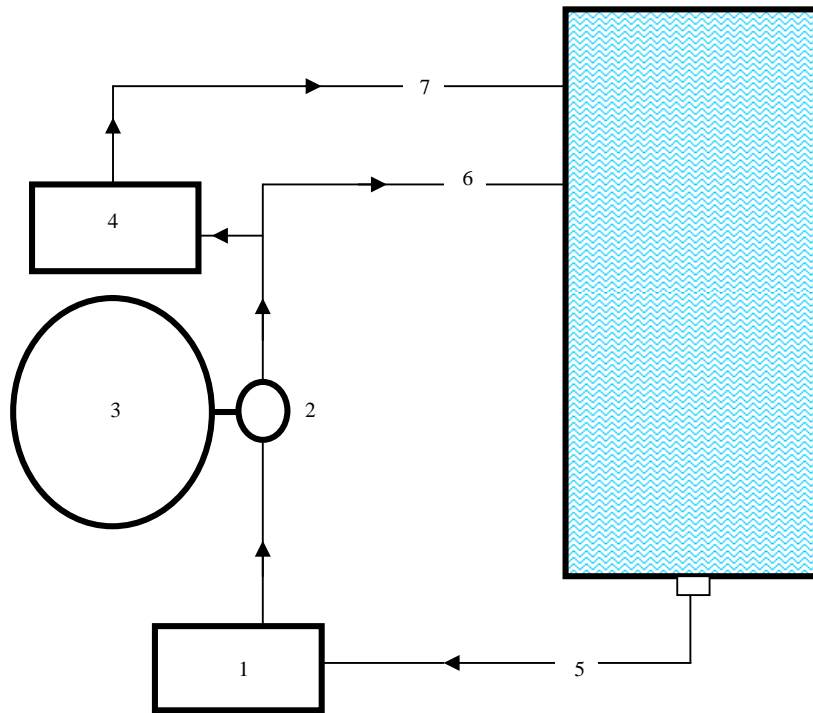
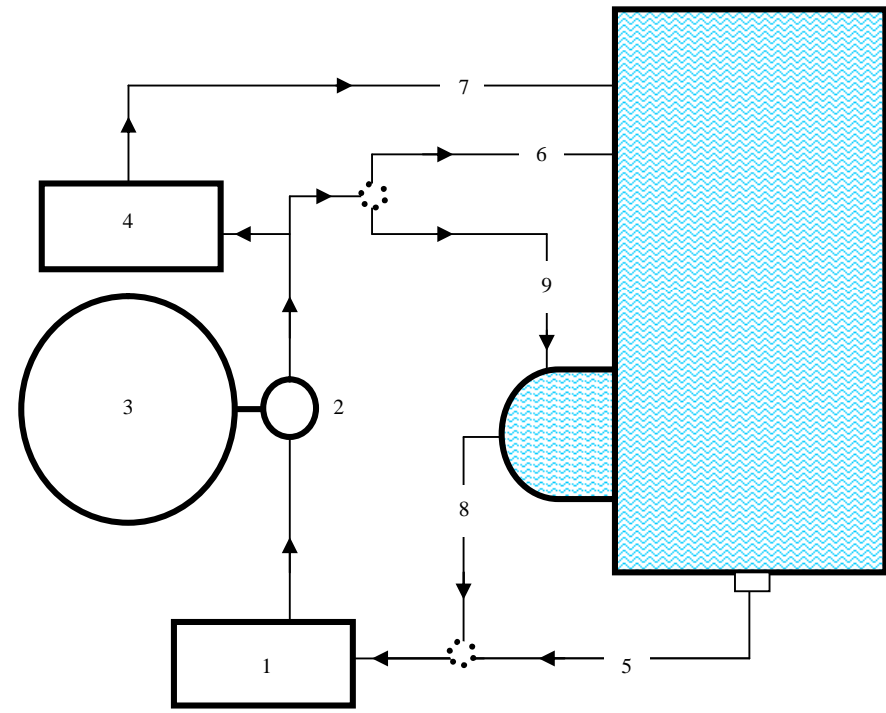


Diagram 2. installation on Pool and Spa



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|---------------------|-------------------------|
| 1 Pool Pump | 6 Pool Return Line |
| 2 Multiport Valve | 7 Pressure Cleaner Line |
| 3 Filter | 8 Spa Suction Line |
| 4 Booster Pump | 9 Spa Return Line |
| 5 Pool Suction Line | ☼ Three Way Valve |

The above configuration would allow the spa to drain when sucking from the spa and returning to the spa.

Solve the problem by either:

1) Installing a 2-way valve on the booster pump line. Caution, the booster pump must only operate when the valve is opened.

OR....

2) Tee the booster pump suction line into pool return after the three way valve. Caution, the booster pump must only operate when the three way valve directs water through the return to pool line.

Diagrams above are illustrations only and should be read in conjunction with the Jet Vac / Legend Installation Guide.

Aqua-Quip Booster Pumps

Installation and Operating Instructions

PUMP INSTALLATION

Leave at least 100mm clearance at rear of motor to provide adequate motor ventilation. Pump and motor should be installed in a ventilated enclosure to provide protection from rain, lawn sprinklers, splashing pool water etc. Do not store (or spill) pool chemicals in the enclosure which houses the pump and motor. Do not connect power cord to an extension lead. Refer to Booster Pump Installation Diagram.

PUMP OPERATION

The booster pump is not a self priming pump. It should be installed after the pool filter and so that it is fed by water from the pool pump. If a two-speed pool pump is installed, then the booster pump can only operate whilst the pool pump is on high speed. The booster pump must only operate whilst the pool pump is running. The booster pump must only operate whilst the pressure pool cleaner is installed in the pool. It is strongly recommended that the booster pump is operated by a separate timeclock, which is synchronised exactly with the pool pump timeclock.

Example:

Pool pump operates 1st cycle between 8am—1pm.
Pool pump operates 2nd cycle between 4pm—8pm.

Set the timer for the booster pump to **only run** between these times.

Booster pump 1st cycle between 9am—11am.
Booster pump 2nd cycle between 6pm—7pm.

It is important to regularly check that the timers remain synchronised.

THE MECHANICAL SEAL

The mechanical shaft seal consists of two parts, a rotating ceramic seat and a stationary seal with a polished carbon face. It is the contact of these two materials which creates a seal between the pump “wet end” and the electric motor. Running the pump with out water creates heat and this in turn will damage the mechanical seal and other internal components. **Pumps can run dry of water due to:** pump running without the pool pump running, low water level in pool, blocked skimmer or pump baskets, jammed skimmer weir flap, dirty filter or closed suction or discharge valves.

DAMAGE CAUSED BY THE PUMP RUNNING WITHOUT WATER IS NOT COVERED UNDER WARRANTY.

PUMP WARRANTY

The pump “wet end” carries a two year warranty from date of installation. This warranty does not include the mechanical seal unless otherwise arranged between the installer and the manufacturer. For more information on warranty, refer to the Aqua-Quip warranty card.

ELECTRIC MOTOR

The electric motor should be protected from foreign matter. Never allow grass, shrubs or weeds to grow around the motor. Whenever a motor has become wet, let it dry before running it. If a motor has been shorted out by water, it voids the motor warranty. The motor is manufactured by Fasco Australia Pty. Ltd. Their warranty is that the motor shall be free from any defects for a period of two years from date of manufacture, or 18 months from installation. If the supply cord on the motor is damaged, it should be replaced with a new one. Cord part number : 445 096 02. The replacement of this cord should be done by a competent or licensed tradesman. The electric motor is fitted with a thermal overload switch. If motor overheats it will cut out and automatically re-start when the motor cools.