



Agri-Pump

Installation and Operation Manual

The following guidelines should be followed to achieve optimum pump performance.

Mounting Location

1. Locate pump with adequate ventilation and no more than 10 feet from the tank.
2. Pump can be mounted horizontally or vertically (we recommend the pump head is below motor level).
3. Feet positions are adjustable to allow replacement of other pump types.

Electrical

1. Use specified automotive fuse, as indicated on motor label, in the circuit.
2. Connect red wire to positive and black wire to negative - recommended wire size is AWG 13.
3. Fit an isolating switch with adequate current rating on the positive side of the supply.
4. To prevent the pump running continuously, turn off at isolating switch when sprayer is left unattended or fluid supply has been allowed to empty.

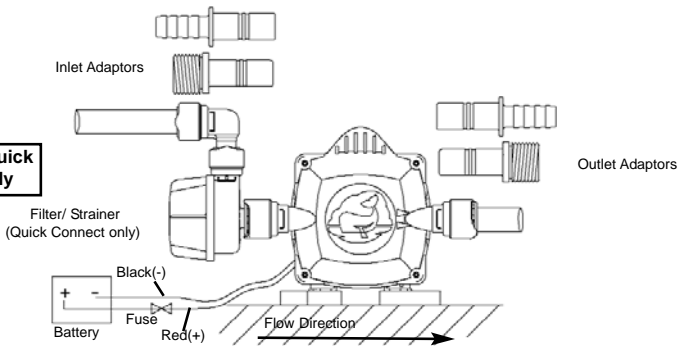
Plumbing

1. Ensure that the strainer (if provided) is attached to the pump head inlet (as shown below).
2. Check pump flow direction (as indicated on pump body).
3. Never use pipe sealant or sealing tapes on threaded adaptors, as these may enter the pump and cause failure.

Winterizing

If water is allowed to freeze in the system, serious damage to the pump may occur. To best avoid this damage, fill pump with undiluted RV anti-freeze.

Fittings included in Quick Connect models only



Service Kits

- AK1317W - Service Kit for 12V Pump Microswitch - Universal
- AK1321W - Inlet strainer, 90 degrees - Universal
- AK1322W - Service kit for Agri-pump - Universal

To ensure the correct service kit contact our service desk at 800-253-2583 or info@cds-johnblue.com

Warranty

The following does not affect your statutory rights.

CDS-John Blue 12 Volt Pumps are guaranteed for two years from date of purchase. This covers defects in materials and workmanship provided the pump case is not opened or the pump otherwise abused. If the unit proves faulty return it to your supplier with proof of purchase date. The Quick Connect pump head is designed for direct connection to CDS-John Blue Quick Connect adaptors. All other systems must use adaptors. The manufacturer retains the right to decide whether to repair or replace the unit. Warranty shall be void if motor housing is abused or pump strainer not present. The manufacturer cannot be held responsible for claims arising from incorrect installation, unauthorised modification or misuse of the product.

Trouble Shooting

Fault	Cause	Solution
Pump does not run	No power to pump	Check power supply Attach leads/clean connections
	Fuse has blown	Replace fuse
	Blockage in plumbing	Check plumbing for kinks
Pump runs but no fluid appears	No fluid getting to pump	Check that tank is not empty Check strainer is not blocked Check all connections from tank to inlet of pump are secure - any air leaks will prevent prime.
	Fluid leaking at outlet side of pump	Check plumbing/fittings for leaks and repair check system drain plugs are closed
Pump runs but will not switch off	Fluid leaking at outlet side of pump	Check plumbing/fittings for leaks and repair Check system drain plugs are closed
	No fluid	Check fluid supply level
Pump cycles on and off periodically when all the valves are closed. (Normal with a partially opened valve)	Fluid leaking at outlet side of pump	Check plumbing/fittings for leaks and repair
Pump cycles on and off excessively when valve(s) are open	Excessive back pressure	Check plumbing for kinks and filters etc. are clear Check nozzles for blockage and repair
Noisy operation	Pump drawing air	see cause 'No fluid getting to pump' (see above)
	Noise created by vibration	Check pump is secured to solid surface Check pump body is not in contact with hard surfaces Locate away from interfering surfaces Check plumbing is securely supported