



# Electric Motor Control for Pump

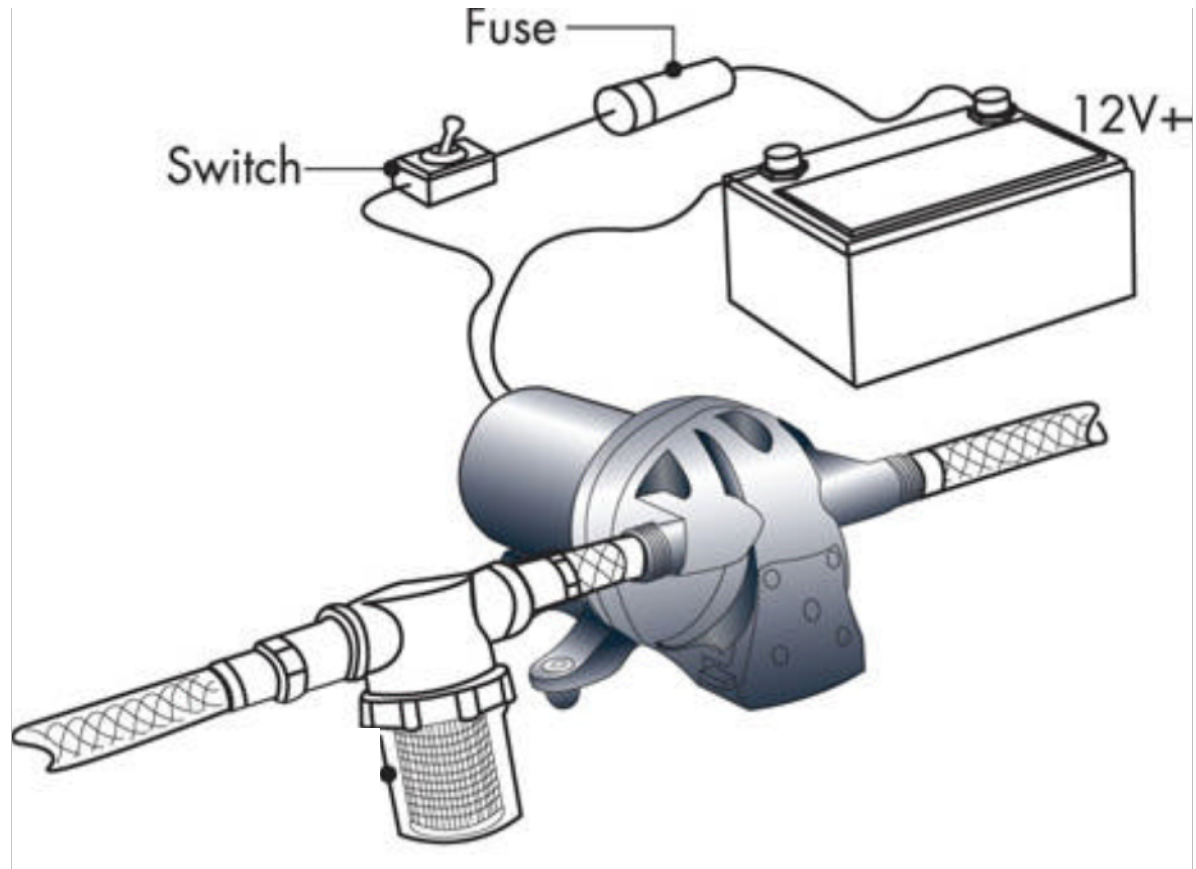
Koehler Electronics LLC

[www.KoehlerElectronics.com](http://www.KoehlerElectronics.com)

# Existing Issues with Manual Valve

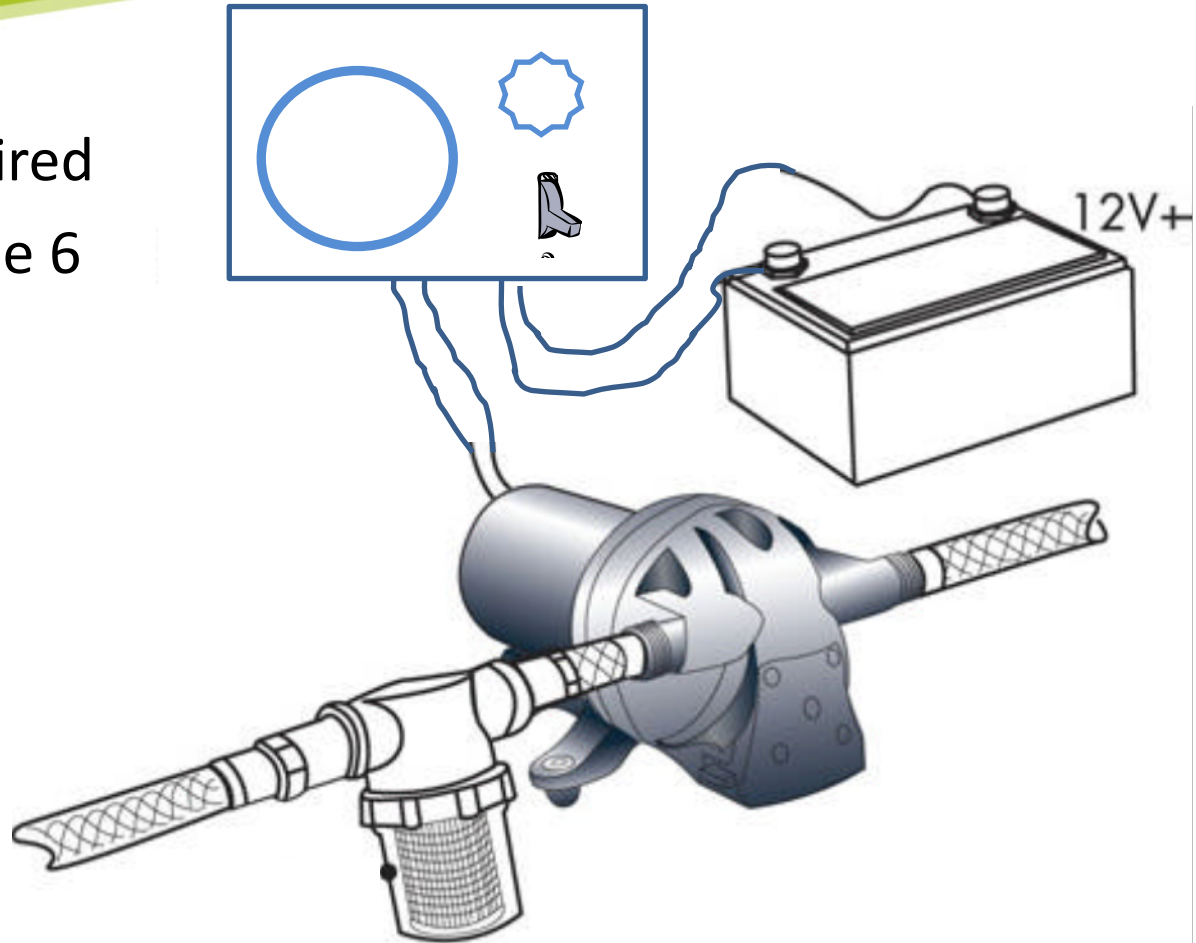
- Requires additional overflow hose to tank
- Pump runs full speed regardless of pressure required
- At lower pressure, pump gets hot
- Pump life shortened by excessive heat
- Multiple pressure lines increase possible leaks in closed system

# Electrical Connections – Existing

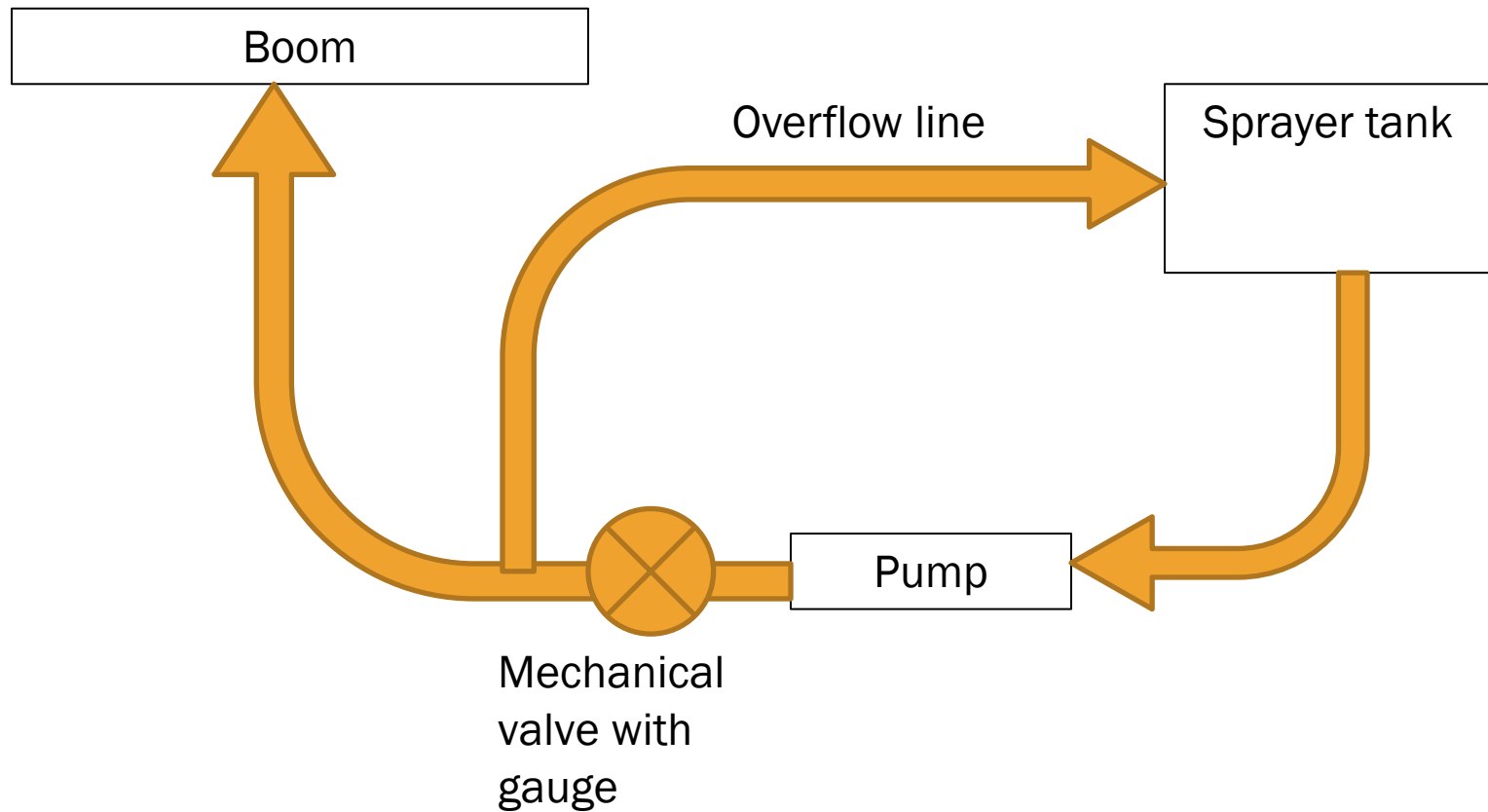


# Electrical Connections – Our Control

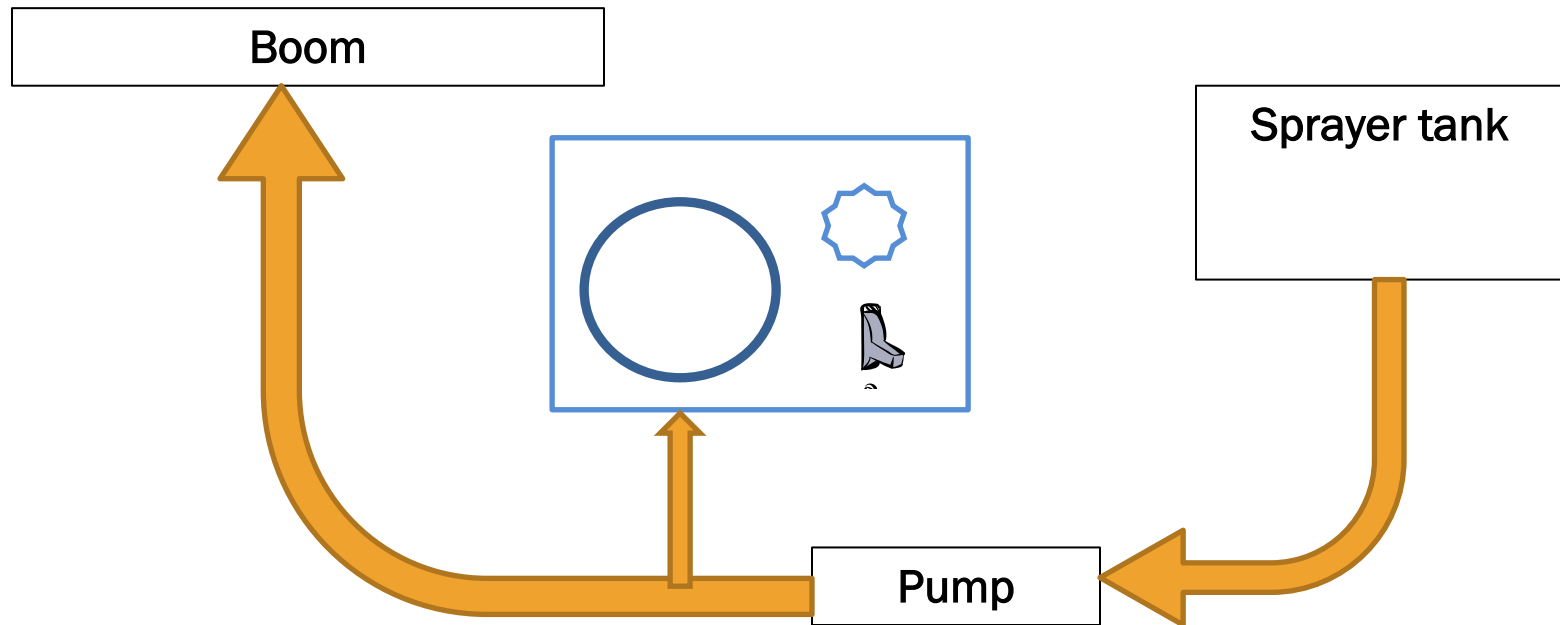
- No fuse required
- Control can be 6 meters from pump and 4 meters from battery



# Plumbing Connections – Existing



# Plumbing Connections – Our Control



# Issues Resolved by Our Control

- Adjusting voltage to pump reduces heat
- PWM logic extends pump life
- No fuse required – built-in circuit breaker
- No overflow line to tank
- Fewer pressure line connections
- Easier to install than manual valve