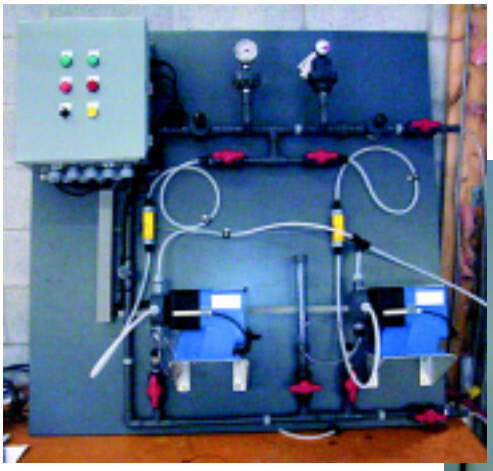
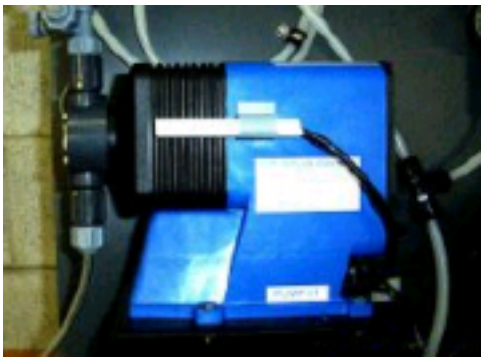
Flow Verification/ Automatic Switch-Over System

Simplex: System monitors pump solenoid stroke and liquid flow. Loss of liquid flow for 25 pump strokes initiates alarm light and contact. System can be set-up to shutdown pump or allow the pump to attempt to regain prime.

Duplex: System monitors pump solenoid stroke and liquid flow. Loss of liquid flow for 25 pump strokes initiates alarm light and contact and automatically switches to alternate pump. If both pumps fail prior to operator intervention, the system attempts to run with the duty pump.



Basic System Operation



Reed Capsule Switch:

Provides relay contact for each stroke of the pump solenoid. Since the switch operates on the solenoids magnetic field, it can be used on any manufacturer's pump.

Liquid Flow Monitor:

A magnetic shuttle in the bypass flow line actuates a magnetic reed switch. Open internal passages are less prone to fouling or jamming. Monitor should be installed as close to the pump as possible.

Model Numbering:

FVM – xxx – xxx – XXX Example: FVM-DPE-115-XXX
123 4

FVM –	Flow Verification Module
Position 1 -	S = Simplex, D = Duplex
Position 2 -	R = Reed Capsule Switch, P = Pacing Relay Cable
Position 3 -	R = Relay Controlled Receptacle, E = External Stop Cable
Position 4 -	115 or 230 Volt
XXX -	Factory Specified
Options -	4-20 ma pacing, drum level monitor, weekly pump alternation

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