



ODIN® AUTO FILLⁱ

To increase safety of firefighter personnel, the apparatus shall be equipped with an automatic direct tank fill system. The system shall operate refilling operations independently, without monitoring by the engineer. Refill operation shall not require apparatus or fire pump to be running. The system shall be capable of handling pressurized sources up to 300 psi. The AutoFill system gets an electronic signal from a Fire Research Vision Series water level gauge (**REQUIRED**). The water level gauge supplies a programmed signal to stop filling when the tank level is at 85% full, and resume filling when the tank level reaches 50%. Valve system shall be able to be manually overridden in case of electric failure.

The controller shall have three toggle positions, with command signals to the fill valve;

- 1) **Auto** - Fully automates the water fill process, opens and closes the valve from signals sent by the water level gauge
- 2) **Off** - Closes the valve
- 3) **Open** - Opens the valve

The system shall enable the operator to perform the following control / operation functions and status indicators for the refill operation:

- 1) Provide toggle positions for Auto / Off / Open for control of electric refill valve
- 2) Solid green light advises the valve is open
- 3) Solid red light advises the valve is closed

The valves and actuator will be rated to the following specifications;

- 1) Totally **sealed and waterproof** to a NEMA 6P rating
- 2) CF8M body w / 316 ball and stem *
- 3) PTFE seats and stem packing *
- 4) Compact Design
- 5) 3-piece Swing out style
- 6) Full Port valve water way
- 7) Valve body rated to 1000 psi max. *
- 8) Manually Over ride able *
- 9) * 1.5" valve - 170 GPM @ 1 CV
- 10) * 2" Valve – 376 gpm @ 1 CV
- 11) 2.5" Valve – Akron
- 12) 3" Valve - Akron

Base System shall include the following components:

- 1) Operator control and placard with Weather-Pac connectors
- 2) Valve and electric actuator
- 3) All wiring harnesses and Weather-Pac connect

Optional available items;

- 1) Fire Research Vision Series level gauge (programmed), sender and wire harness
- 2) Check valve

An installation and operation manual shall be provided, along with a one-year limited warranty by the manufacturer. Darley cannot assume responsibility for product failure resulting from improper maintenance or operation. Darley is responsible only to the limits stated in the product warranty. Product specifications contained in this material are subject to change without notice.

ⁱ Specifications are subject to change and improvements without notice.