

## Hydra-Cell® S Series Performance Benefits

### Component Valves for Added Safety

#### Double-ball Check Valve

Controls valve opening and closing speeds to help ensure metering accuracy and reduce the possibility of water hammer.



#### Anti-siphon Check Valve

Prevents clogging at the injection point and also aids in priming. Includes a duck-bill cap with Acrylic pump head models for injecting Sodium Hypochlorite. The chemical reacts with calcium in raw water to form crystals that flow through the main piping. The cap on the valve closes to prevent crystallization. (Note: anti-siphon check valve not used for high-viscosity models.)



#### Foot Valve

Designed to prevent backflow into chemical injection systems. (Note: foot valve not used for high-viscosity models.)



#### External Relief Valve

Safety valve that automatically releases excess pressure that builds up inside the discharge side pipes due to clogging or if the discharge valve is closed. It can prevent accidents such as damage to the pump or piping. Includes hose joints.



### Other Components for Efficiency

#### Flow Checker (optional)

Allows the injection operation of the pump to be verified at low cost. Highly resistant to acids and alkalis. Features a pump-direct connection. (Note: flow checker not available for Acrylic pump head 200 models.)



#### Hose/Tube Availability

- PE for PVC, PVDF and Acrylic models
- FEP for KP models
- PTFE for 316SS models
- PA for High-pressure models
- PVC for High-viscosity models
- Soft PVC for "R" models with integral relief valve air release
- Soft PVC for models equipped with automatic degassing joint

