

# ADDITIONAL WATER APPLICATION SOLUTIONS

## Pressure Relief/Back Pressure

### A108 SERIES

NSF



In many liquid piping systems, it is vital that line pressure is maintained within relatively narrow limits. This is the function of the A108 Pressure Relief/Back Pressure Series of the Apollo control valves. Installed in the main flow line, the standard Model A108 acts as a back pressure or pressure sustaining valve. In this configuration, the valve maintains a constant upstream pressure regardless of fluctuating downstream demand. When used in a bypass line, the same model will function as a relief valve, protecting the system against potentially damaging surges.

#### FEATURES:

- Relief: Maintains a constant inlet pressure by relieving excess high pressure.
- Sustaining: Prevents pressure from dropping below a minimum.
- Inlet pressure is accurate over a wide range of flow.
- Inlet pressure is adjustable with a complete range of control springs.
- Quick opening with controlled closing.
- Isolation ball valves to facilitate maintenance and troubleshooting.
- Spring ranges (inlet setting): 5-30 psi, 20-80 psi, 20-200 standard psi, and 100-300 psi.
- High pressure model A108-2HP spring ranges (inlet setting): 200-750 psi.

\* See specifications sheet for material options.

## Solenoid Control

### A115 SERIES

NSF



The Apollo Series A115 Solenoid Control Valve is designed to provide on/off or open/close control of fluids in response to an electrical signal. The valve consists of the basic Apollo model A65 with solenoid-operated pilot. With the appropriate solenoid, the valve may be normally closed (energize to open) or normally open (energize to close).

#### FEATURES:

- The A115 Series provides responsive control in answer to such triggering devices as clocks, timers, relays, probes, pressure or temperature sensors.
- Available for AC or DC voltages.
- Wider range of sizes and flow capacity than is available with direct-acting solenoid valves.
- Valves can be equipped with Manual Override solenoid operation.
- Solenoid feature can be added to other hydraulic control functions.
- Isolation ball valves to facilitate maintenance and troubleshooting.

\* See specifications sheet for material options.

## Differential Control

### A110 SERIES

NSF



The Apollo A110 Series Differential Control Valve is designed to accurately control the pressure difference between any two points. In some systems this means the valve remains closed until pressure differential commands its opening. It is a pilot operated, modulating type valve which controls pressure accurately and consistently at the desired setting.

#### FEATURES:

- Opens on increasing differential.
- Dual pilot sense lines can be valve or remote connected.
- Differential is adjustable over complete range of control springs.
- Isolation ball valves to facilitate maintenance and troubleshooting.
- Spring ranges (outlet setting): 5-30 psid, 20-80 psid, 20-200 psid, and 100-300 psid.

\* See specifications sheet for material options.