



# — MODEL — 100PM-4B

## Magazine Sprinkler Valve



- Drip-Tight Shut-off
- Reliable Diaphragm Operation
- Valve Position Indicated Visually
- System Testing Without Valve Actuation

The Cla-Val Model 100PM-4B Magazine Sprinkler Valve is designed to deliver fire main flow to a protected space in a shipboard Dry Type Magazine Sprinkler System. The 100PM-4B is a globe-pattern, diaphragm-actuated, hydraulically-operated remote control valve with integral test port and visual position indicator. The 100PM-4B is held normally closed by a large spring load and internal hydraulic leveraged design feature for a dry pipe to magazine until valve is opened. When fire main pressure signal is directed to valve control port, the 100PM-4B opens quickly to allow fire main flow into protected space.

An interconnected activating control system directs fire main pressure to separate Open-Valve loop and Closed-Valve loop components to provide local and remote system operation of Model 100PM-4B (see Typical Application below). The Magazine Sprinkler Valve remains closed by Closed-Valve loop when it relieves control pressure. The Magazine Sprinkler Valve is opened when Open-Valve loop applies control pressure. When control pressure is blocked by the interconnected activating piping, the system is in normal condition and the 100PM-4B can be activated by PRPV or the Three-Way Manual Valves.

The 100PM-4B has special lower port (capped) to connect test fitting that adapts to a fire hose connection. Test fitting directs fire water through hose to waste while retaining dry pipe condition to magazine during system tests and personnel training events. Unpressurized visual indicator mounted on cover gives valve position at all times.

### Typical Application

Dry Type Magazine Sprinkler System with 100PM-4B Remote Control Valve

