

## Dry System

### G Series Dry Valve Riser Assembly

When a sprinkler (1) opens, loss of air pressure in the system allows the differential valve (2) to open and relieve the priming pressure from the internal prime chamber assembly (3), opening the valve, and filling the system with water. To speed the opening of the G Series dry valve in large systems, a model E-1 accelerator (4) can be added. Water flow from the intermediate chamber of the dry valve can cause a pressure switch (5) to activate an electric alarm and/or operate a mechanical water motor alarm. When the valve operates, pressure opens the pressure operated relief valve (PORV) (6) continuously venting the water supply to the priming chamber, ensuring the dry valve remains in the open position.

