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## **OPERATING INSTRUCTIONS FOR WET SPRINKLER ALARM VALVE C/W BACKFLOW**

### **Components**

1. Main control valves (normally open).
2. Main drain valve (normally closed).
3. Pressure pump intake control valve (normally closed for manual pump and normally open for automatic pump).
4. Pressure pump discharge control valve (normally closed for manual pump and normally open for automatic pump).
5. Pressure pump switch (normally off for manual pump and normally on for automatic pump)
6. Alarm test valve (normally closed).
7. Alarm shut-off valve (normally open).

### **Instructions for Testing System**

- (A) Notify fire department, security company, and all facility occupants that a test is going to be conducted.
- (B) To test alarm operator only, open alarm test valve #6 until alarm is activated. Return valve to closed position.
- (C) To trip test alarm valve, shut off pump switch #5 if automatic model, open main drain valve #2 or the inspectors test valve at the end of the system and wait for alarms to sound.
- (D) Close main drain valve or inspector test valve. Alarms should shut off when valve is closed.
- (E) Pressurize system (see below).

### **Instructions for Draining System**

- (A) Notify fire department, security company, and all facility occupants.
- (B) Shut off pump switch #5 if automatic model.
- (C) Close either or both main shut off valve #1.
- (D) Open main drain valve #2.
- (E) Open the inspectors test valve at the end of the system.

### **Instructions for Re-filling System**

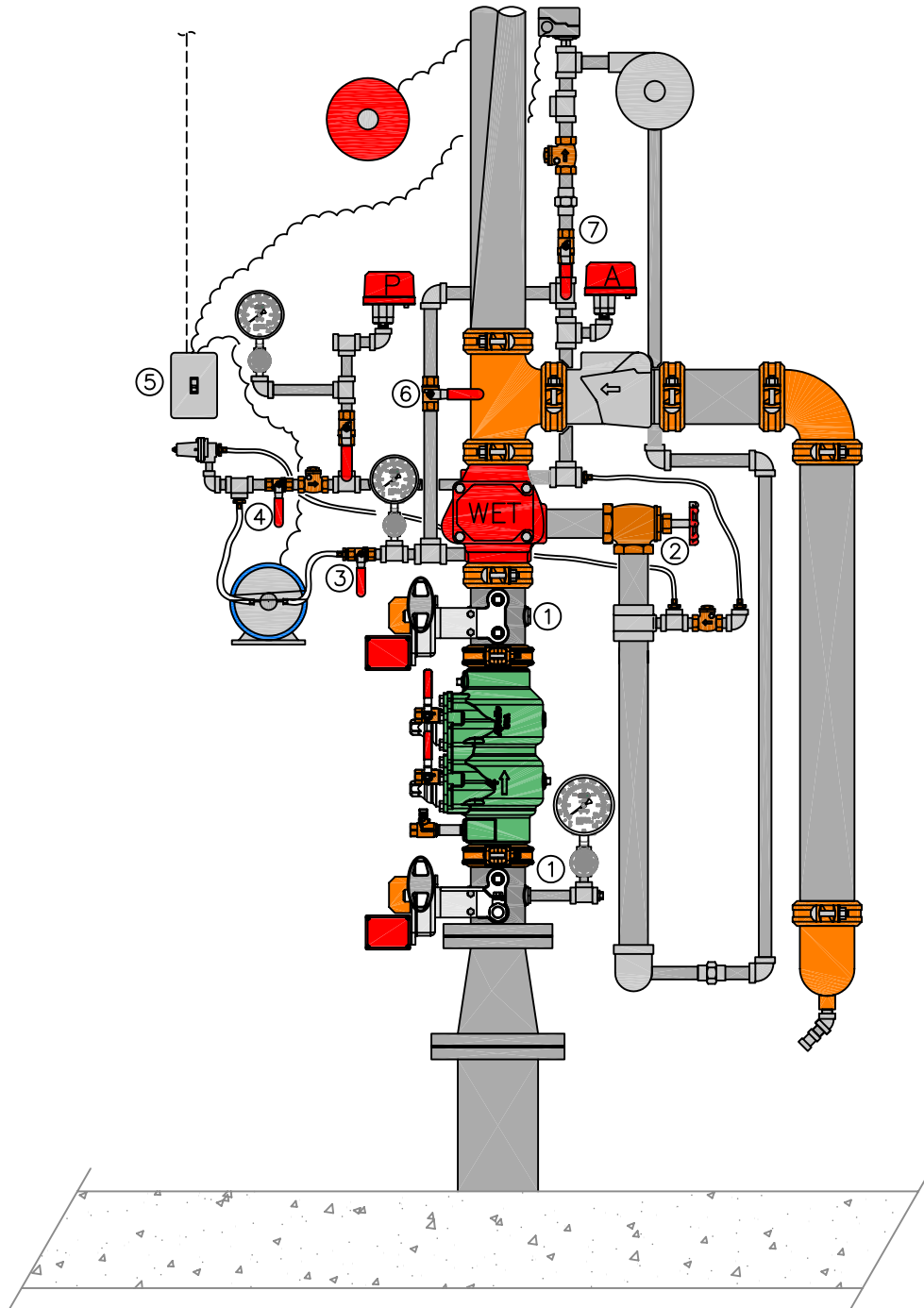
- (A) Close the inspectors test valve at the end of the system.
- (B) Close main drain valve #2.
- (C) Open the main shut off valve (s) #1.

### **Instructions for Pressurizing System**

- (D) Open pressure pump control valves #3 & #4.
- (E) Turn on pressure pump switch #5.
  - Automatic Model : Allow system pressure (upper gauge) to rise to 125psi. or 50psi. above the lower gauge pressure. The pump should stop automatically when the pressure switch is satisfied.
  - Manual Model : Allow system pressure (upper gauge) to rise to 125psi. or 50psi. above the lower gauge pressure. Turn off pressure pump switch #5 and close pressure pump control valves #3 & #4.
- (F) Double check that valves #1 - #7 are in their normal position.
- (E) Notify fire department, security company, and all facility occupants that system is on and in operation.

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