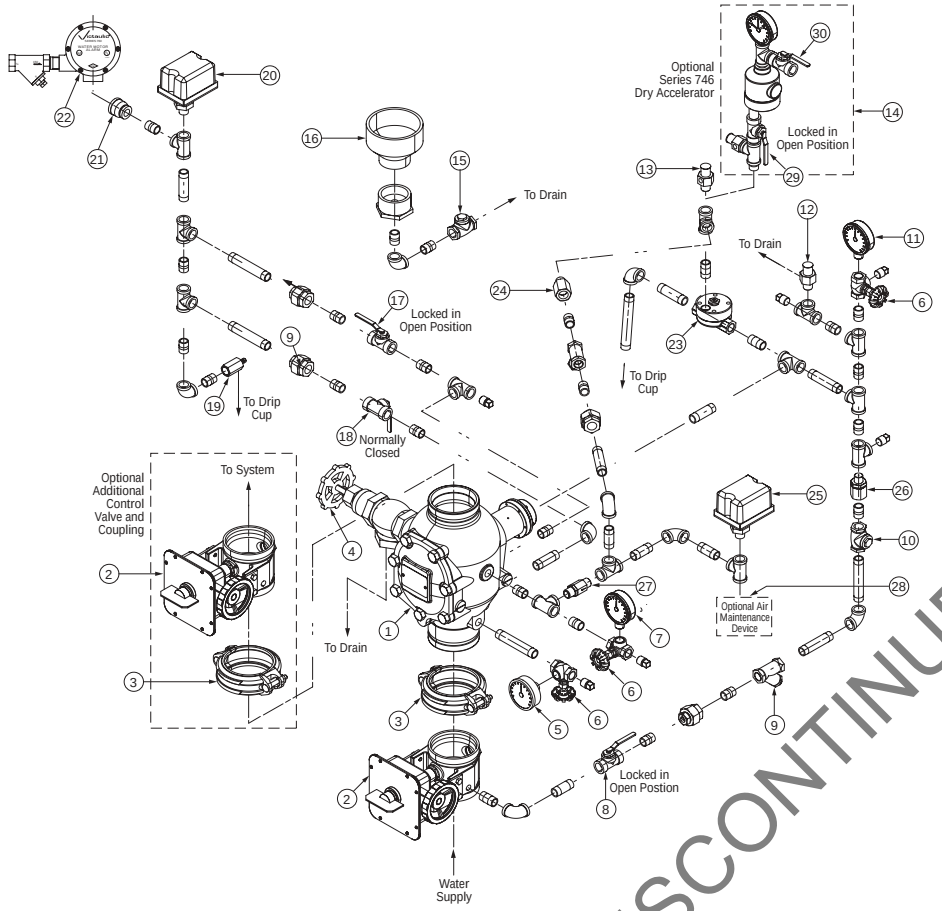
SERIES 756 FIRELOCK® EUROPEAN DRY VALVE STATIONS

NOTE: This wall chart is a guide for placing the system in service and for performing water flow alarm tests.
Always refer to the installation, maintenance, and testing manual for complete information.



BILL OF MATERIALS

1	Series 756 FireLock European Dry System Valve	17	Alarm Line Ball Valve (Normally Open)
2	Series 705W Butterfly Valve with Tap	18	Alarm Test Line Ball Valve (Normally Closed)
3	Style 005 FireLock Rigid Coupling	19	Restricted Orifice/Alarm Line Drain
4	Main System Drain Valve	20	EPS-10 Alarm Pressure Switch
5	Water Supply Pressure Gauge (0-25 Bar)	21	Reducer (½ X ¾ inch)
6	Gauge Valve	22	Series 760 Water Motor Alarm with ¾-inch Strainer - 100 mesh (Optional)
7	System Pressure Gauge with Mark Pointers (0-16 Bar)	23	Series 753-A Dry Actuator/Anti-Flood Device
8	Piston Charge Line Ball Valve (Lockable - Normally Open)	24	Restrictor
9	Piston Charge Line Strainer (100 Mesh)	25	EPS-40 Low-Air Pressure Switch
10	Piston Charge Line Check Valve	26	Piston Charge Line Restrictor (0,18 cm)
11	Piston Charge Line Pressure Gauge (0-25 Bar)	27	Series 748 Ball Check
12	Series 749 Auto Drain	28	Series 757 Air Maintenance Device (Optional)
13	Auto Vent Assembly	29	Isolation Ball Valve (Dry Accelerator)
14	Series 746 Dry Accelerator Assembly (Optional)	30	¼-Turn Vent Ball Valve (Dry Accelerator)
15	Drain Check Valve		
16	Drip Cup		

Placing the System in Service

1. Open the system main-drain valve (4). Confirm that the system is drained.
2. Close the system main-drain valve (4).
3. Confirm that system drains are shut and the system is free of leaks.
4. If a Series 746 Dry Accelerator (14) is used, confirm that the isolation ball valve (29) to the accelerator is closed.
5. Open the piston charge line ball valve (8), and confirm that a steady flow of water is going through the Series 753-A Dry Actuator (23).
6. Close the piston charge line ball valve (8).
7. Charge the system with air by turning on the compressor or by opening the fast-fill ball valve on the air maintenance device (28). Fill the system to the appropriate pressure for the typical water supply pressure in the area.

7a. Confirm that the system is charging by observing the system pressure gauge (7). If the gauge is not showing an increase in air pressure, there is a leak or an opening in the line.

7b. If air is leaking out of the restricted orifice/alarm line drain (19) on the alarm line, close the alarm line ball valve (17).

7c. While the system is charging, lightly push down on the upper chamber seal of the Series 753-A Dry Actuator (23), and pull up on the auto vent knob (13) simultaneously.

7d. When system air pressure is established, close the fast-fill ball valve on the air maintenance device (28).

8. Open the slow-fill ball valve on the air maintenance device (28). Confirm that the air regulator is set to the proper system pressure.

9. If a Series 746 Dry Accelerator (14) is used, open the $^1/_4$-turn vent ball valve (30) on the accelerator.

9a. Open the isolation ball valve (29) on the Series 746 Dry Accelerator (14).

9b. Close the $^1/_4$-turn vent ball valve (30) on the Series 746 Dry Accelerator (14). This will set the accelerator.

10. Open the piston charge line ball valve (8).
11. Pull up on the auto drain knob (12) until it is set in the "UP" position. Verify that there is pressure on the piston gauge (11).
12. Confirm that the piston charge line pressure (11) is equal to the water supply pressure (5). The piston is now actuated, and the clapper will now be set.
13. Open the alarm line ball valve (17).
14. Open the water supply's main control valve (2) slowly.
15. Confirm that there is no leakage from the restricted orifice/alarm line drain (19) located in the alarm line's piping. If water is flowing from the restricted orifice/alarm line drain (19), close the water supply's main control valve (2), and start over at step 1.
16. Open the water supply's main control valve (2) fully.
17. Record the system air pressure (7), water supply pressure (5), and piston charge line pressure (11).
18. Ensure all valves are in their normal operating positions.

Water Flow Alarm Test

1. Close the alarm line ball valve (17).
2. Open the alarm test line ball valve (18). Confirm that mechancial and electrical alarms activated and that remote monitoring stations, if provided, received an alarm signal.
3. Close the alarm test line ball valve (18) after proper operation of all alarms is verified.
4. Push in the plunger on the restricted orifice/alarm line drain (19).
5. Verify that all alarms stopped sounding, that the alarm line drained properly, and that remote station alarms reset properly.
6. Confirm that the alarm test line ball valve (18) is closed.
7. Open the alarm line ball valve (17).
8. Verify that the intermediate chamber of the valve is dry. No water should flow from the restricted orifice/alarm line drain (19).