



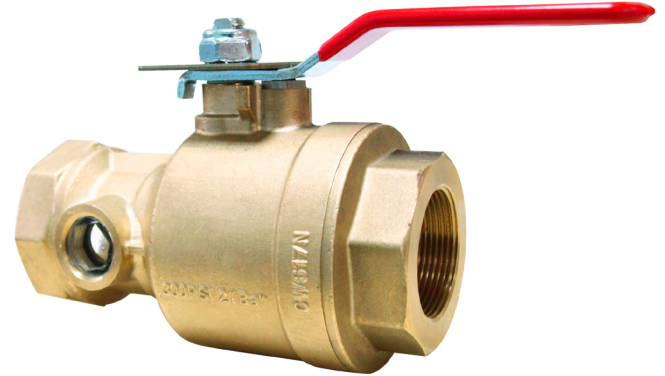
Test & Drain Valve

Fig. 801

General Description

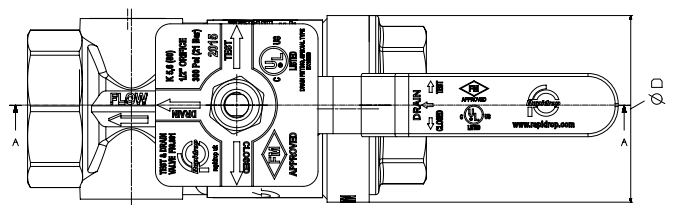
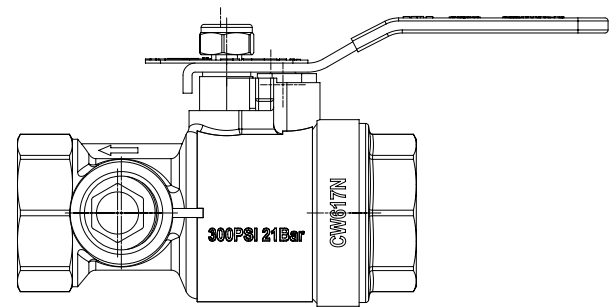
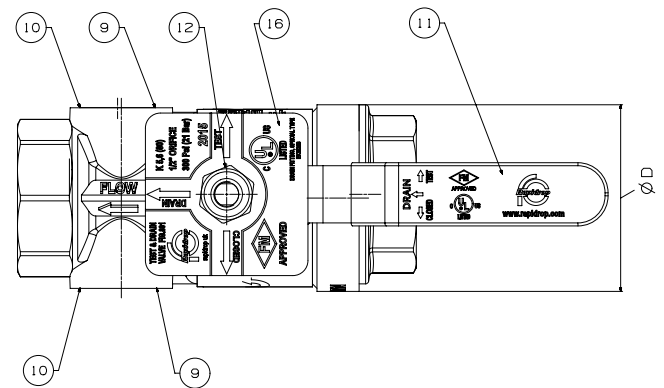
Rapidrop Fig. 801 Test & Drain Valve with incorporated acrylic sight glass delivers a basic function for testing of water flow through sprinkler systems. The most common application is in multistory buildings where water flow alarm devices are required on each floor at each riser. It may be located inside or outside of a building, connected to a single or common drain point.

- Nominal pressure rated to 20.6 bar (300 PSI)
- Working temperature range of -10 / +120°C (14 / 250°F)
- Approval: UL Listed & FM Approved
- Available in 1", 1 ¼", 1 ½" and 2" pipe size connections
- Standard thread connection: BSPT
- K Factor K80 (K5.6)
- Brass body with three position ball valve OFF / TEST / DRAIN
- Integral sight glass with acrylic see through windows



Material

No	Part Name	Qty	Material
1	Body	1	Brass
2	Bonnet	1	Brass
3	Stem	1	Stainless Steel
4	Bonnet Extension	1	Brass
5	Ball Seat	2	PTFE
6	Ball	1	Stainless Steel
7	Stem Seal	2	PTFE
8	O-Ring Seal	2	EPDM
9	Sight Glass	2	Acrylic
10	Sight Glass Gasket	2	EPDM
11	Lever	1	Vinyl Coated Steel
12	Locking Nut	1	Steel
13	Ball Stay	1	Steel
14	Ball	1	Stainless Steel
15	Spring	1	Spring Steel
16	Name Plate	1	Stainless Steel



Dimensions

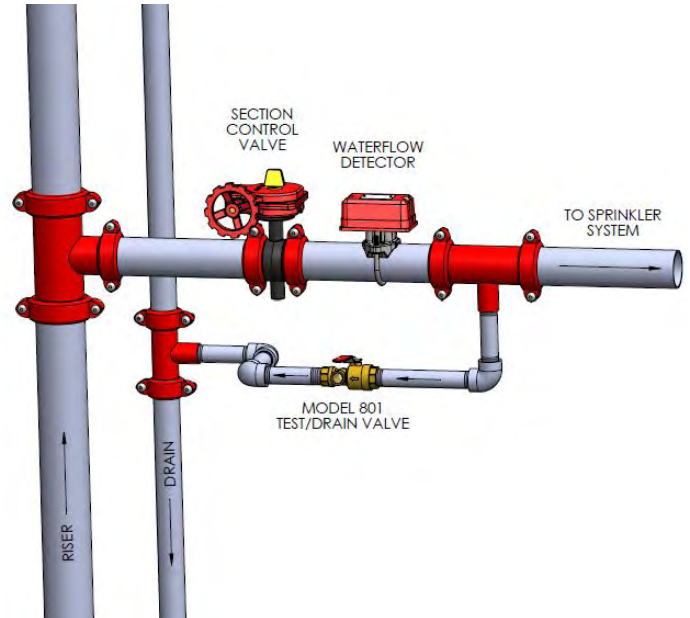
Nominal Pressure 300 psi (20.6 bar)		
	DN25 / DN32	DN40 / DN50
G	1" / 1 ¼"	1 ½" / 2"
L	133 mm	173 mm
C	126 mm	156 mm
H	65 mm	84 mm
D	60 mm	92 mm
Weight	1.3 kg / 1.4 kg	3 kg / 3.5 kg
K Factor	K80 (K5.6)	

Test & Drain Valve

Fig. 801

Installation Instructions

- Rapidrop Fig 801 Test & Drain must be installed in a visible and easily accessible location, preferably not over 2m (7 ft) above the floor.
- Valve may be installed in either vertical or horizontal orientation.
- The arrow on the valve label must point in the direction of the flow, towards the drain.
- Valve should be installed in a way so the handle rotates freely without any restrictions.
- Wet pipe fire protection system must be maintained at a minimum temperature of 4°C (40°F).
- The outlet of the test/drain valve must be connected to a drain sized to accept full flow during the alarm test.
- Use PTFE tape or pipe joint compound to achieve a watertight seal.



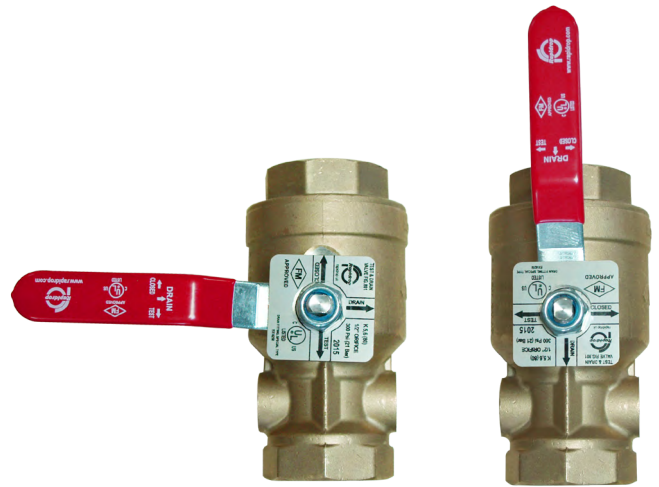
Operating Instructions

Alarm Test:

1. Position the Valve handle in the "TEST" position. Water is then permitted to flow through the test orifice to simulate the flow from individual K80 (K5.6) orifice sprinkler located downstream of the water flow detector.
2. Observe the sight glass and check for vibrations indicating water flow.
3. Verify proper operation of the water flow detector.
4. After completing the test, return the valve handle to the "OFF" position.

Drain:

1. Position the valve handle in the "DRAIN" position. Water from the system will be permitted to drain through the drain orifice.
2. After draining the system, return the valve handle to the "OFF" position.



Important Installation Information

- *Rapidrop Figure 801 Test & Drain valve* must only be installed by a competent person in accordance with requirements of the local authority having jurisdiction. Deviations from these standards will invalidate warranty.
- It is the responsibility of the installing contractor to include a copy of this document in the sprinkler system installation, operating and maintenance manual.
- Alterations to Rapidrop products will void any warranty.
- *Figure 801 Test & Drain valve* should be inspected and maintained during routine sprinkler system inspections by a competent person in accordance with national codes/requirements.
- Failure to follow these instructions could cause improper operation, resulting in personal injury and/or property damage.
- For further details and technical support please contact your Rapidrop sales representative.