1. DESCRIPTION

Viking Automatic Drip Checks are designed to drain water automatically, which may leak past a normally closed dry valve or deluge valve. They close, however, against an increase in flow pressure and will open automatically at a predetermined decrease in pressure. The devices are used with dry and deluge valves to drain any water that may seep by the valve clapper.

Model D-1 and D-4 Drip Check is used with a valve that does not have an automatic alarm line drain. It has a notched seat so that a slight amount of water will discharge through the drip check when the valve trips. When the control valve is closed, the alarm line will automatically drain through the drip check. This unit is normally used with the Viking Deluge Valves.

Model D-2 Drip Check is normally used with Viking Model C Dry Valves with iron trim. The drip check has a 3/8” pipe plug installed for use with the Model B-1 Accelerator. When the valve trips, no water will discharge through the drip check. When the control valve is closed and the system is drained, the drip check will open and drain off any excess water in the valve.

Model D-3 Drip Check is used with a Model D, E, or F Dry Valve that has an automatic drain for the alarm line. When the valve trips, no water will discharge through the drip check. When the control valve is closed and the system is drained, the drip check will open and drain off any excess water in the valve.

2. LISTINGS AND APPROVALS

Designed to Underwriter’s Laboratory and Factory Mutual requirements.

3. TECHNICAL DATA

Specifications
- Available since 1980.
- Working water pressure: 250 PSI (17.2 bar)

Material Standards
- Body: Brass casting UNS-C84400
- Ball: Stainless Steel
- Spring: Phosphor Bronze
- Retaining Ring: Stainless Steel
- Model D-4: Electroless Nickel Plated

Ordering Information
- Automatic Drip Check, ¾”
- Model D-1 (Deluge & Flow Control Valves): Part Number 10730
- Model D-2 (Dry Valve Replacement with Model B-1 Accelerator): Part Number 10731
- Model D-3 (Dry Valve): Part Number 10732
- Model D-4 (Deluge, Electroless Nickel Plated): Part Number 10733

4. INSTALLATION

A. Install in outlet provided in valve trim.
B. Unit should be level.

5. INSPECTIONS, TESTS AND MAINTENANCE

During each inspection of valve, push plunger to make sure no water is trapped.

6. AVAILABILITY

The Viking Automatic Drip Check is available through a network of domestic and international distributors. See the Viking Corp. Web site for closest distributor or contact The Viking Corporation.

7. GUARANTEES

For details of warranty, refer to Viking’s current list price schedule or contact Viking directly.
1. DESCRIPTION
The Viking Automatic Ball Drip Valve is designed to drain water automatically which may leak past a normally closed check valve or gate valve. It closes, however, against an increase in flow pressure and will open automatically at a predetermined decrease in pressure. Automatic ball drip valves are used, for example, on the inlet side of fire department check valve or pumper connections to prevent water from collecting and freezing.

2. LISTINGS AND APPROVALS
Designed to Underwriter’s Laboratory and Factory Mutual requirements.

3. TECHNICAL DATA
   Specifications
   - Available since 1978.
   - Working water pressure: 250 PSI (17.2 bar)
   - Closing pressure: 13.5 PSI (9.3 bar) with increasing pressure
   - Opening pressure: 12.5 PSI (8.6 bar) with decreasing pressure
   Material Standards
   - Bar: Brass UNS-C36000
   - Spring: Stainless Steel UNS-S30200
   - Retaining Ring: Stainless Steel UNS-S15700
   Ordering Information
   - Automatic Ball Drip Valve, ½” Model B-1: Part Number 04292B

4. INSTALLATION
   - Install the automatic ball drip in a horizontal position. If desirable, pipe discharge to an open drain. ¼” NPT is provided in the drain outlet.
   
   NOTE: THIS VALVE IS NOT DESIGNED TO SHUT COMPLETELY AND WILL CONTINUE TO DRIP WHEN PRESSURIZED.

5. INSPECTIONS, TESTS AND MAINTENANCE
   - The Automatic Ball Drip Valve should be inspected annually.

6. AVAILABILITY
   - The Viking Automatic Ball Drip Valve is available through a network of domestic and international distributors. See the Viking Corp. Web site for closest distributor or contact The Viking Corporation.

7. GUARANTEES
   - For details of warranty, refer to Viking’s current list price schedule or contact Viking directly.