



# NATIONAL FIRE EQUIPMENT LTD.

SERVICE, SOLUTIONS, INNOVATION

## MODEL CHVLVG STANDARD SWING CHECK VALVE

### Description

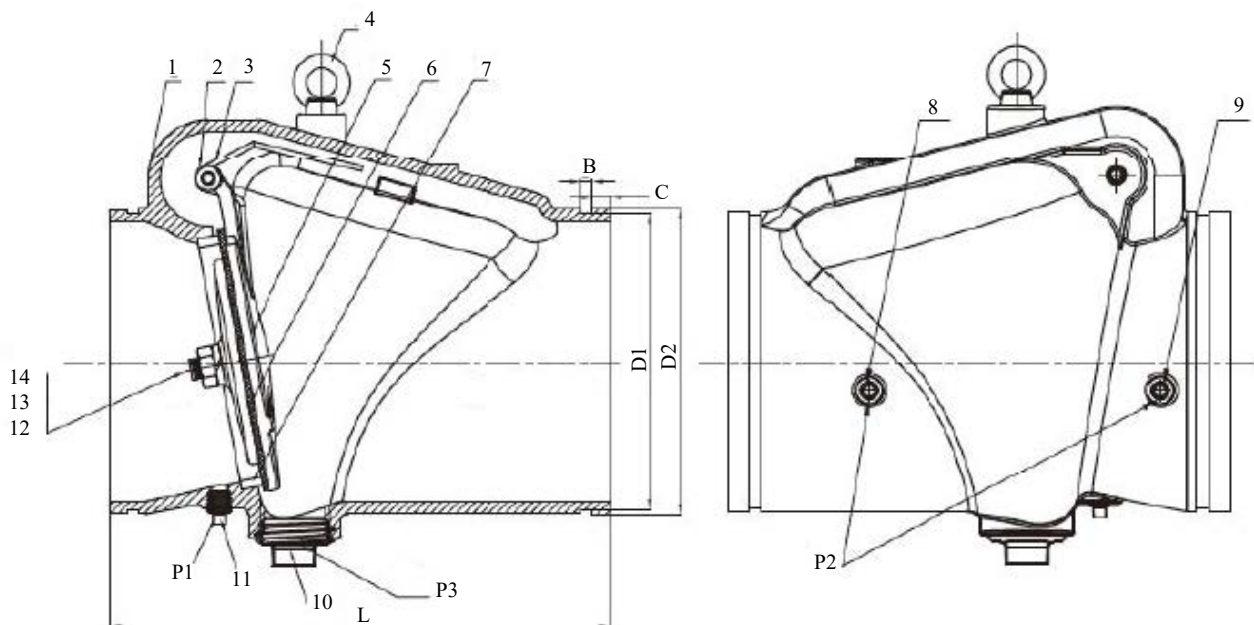
The grooved resilient swing check valve is a one-way check valve. When the medium flows forward, the valve disc opens under the action of fluid pressure. When the medium flows backwards, the valve disc closes under spring elasticity and reverse fluid pressure, which cuts off the passage and prevents backflow.

### Product Features

- The grooved resilient swing check valve is suitable for fire protection systems, the working temperature is from 0°C to 80°C.
- Rated working pressure is 363PSI.
- Can be installed in both vertical (upward flow only) and horizontal positions.
- Grooved end conforming to AWWA C606 for easy installation and maintenance.
- UL312, FM1210
- Non potable.
- Epoxy powder paint.
- Available in 2" to 8" sizes.



### Product Sketch



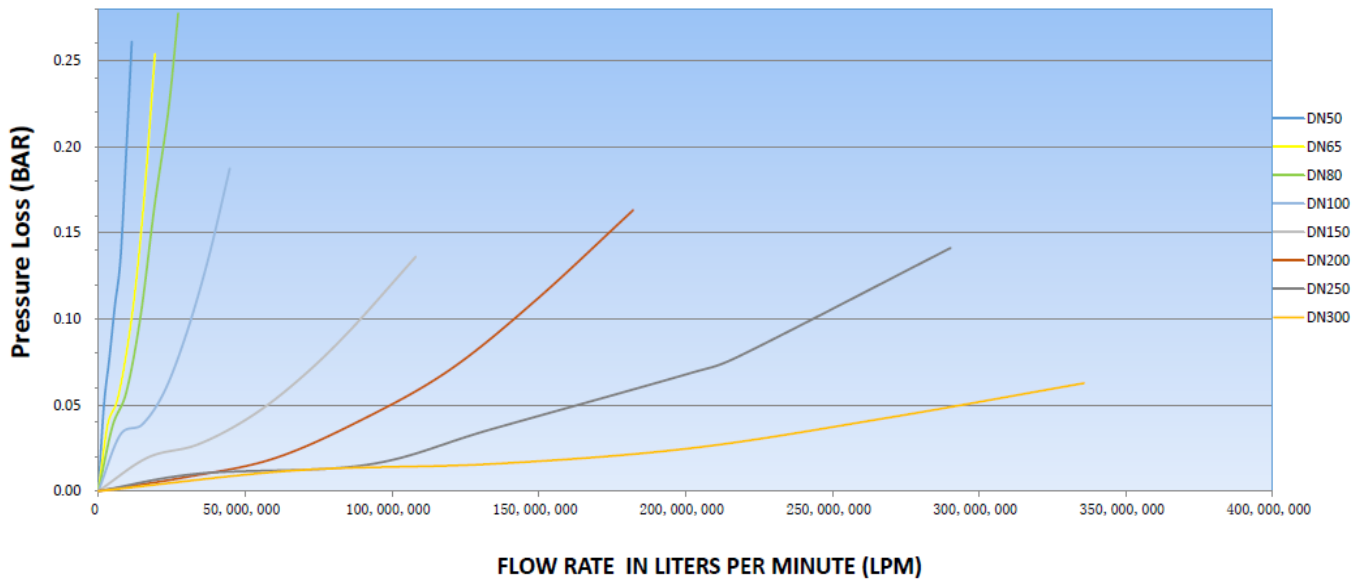
\* UL/ULC certificate number EX16203. FM approval identification number 3051638.

| Part No. | Part              | Standard Specification                            |
|----------|-------------------|---|
| 1        | Valve Body        | ASTM A536,65-45-12                                |
| 2        | Hinge Pin         | AISI420   |
| 3        | Spring            | AISI 304  |
| 4        | Eye Bolt          | Carbon Steel Zinc Plated                          |
| 5        | Disc              | DN50-100 AISI 304<br>DN150-300 ASTM A536,65-45-12 |
| 6        | Disc Sealing Ring | EPDM  |
| 7        | Seat Ring         | ASTM B62 C83600 (Pressed Fit)                     |
| 8        | Plug              | Malleable Iron Galvanized                         |
| 9        | Plug              | Malleable Iron Galvanized                         |
| 10       | Plug              | Malleable Iron Galvanized                         |
| 11       | Plug              | Malleable Iron Galvanized                         |
| 12       | Bolt              | AISI304   |
| 13       | Washer            | AISI304   |
| 14       | Nut               | AISI304   |

## Dimensions

| DN     | Dimensions(inch) |         |         |        |        |        |        |        |
|--------|------------------|---------|---------|--------|--------|--------|--------|--------|
| inch   | L                | D1      | D2      | B      | C      | P1     | P3     | P2     |
| 2"     | 6.7323           | 2.2500  | 2.3740  | 0.3122 | 0.6252 | 1/2-14 | 1/2-14 | 3/8-18 |
| 2 1/2" | 7.2441           | 2.7201  | 2.8740  | 0.3122 | 0.6252 | 1/2-14 | 1/2-14 | 3/8-18 |
|        |                  |         |         |        |        |        |        |        |
| 3"     | 7.7559           | 3.3441  | 3.5000  | 0.3122 | 0.6252 | 1/2-14 | 1/2-14 | 3/8-18 |
| 4"     | 8.1102           | 4.3339  | 4.5000  | 0.3752 | 0.6252 | 1/2-14 | 1/2-14 | 1/2-14 |
|        |                  |         |         |        |        |        |        |        |
| 5"     | 9.7638           | 5.3949  | 5.5630  | 0.3752 | 0.6252 | 1/2-14 | 1/2-14 | 1/2-14 |
|        |                  |         |         |        |        |        |        |        |
| 6"     | 12.7559          | 6.4551  | 6.6260  | 0.3752 | 0.6252 | 1/2-14 | 1/2-14 | 1/2-14 |
| 8"     | 14.6063          | 8.4409  | 8.6260  | 0.4382 | 0.7500 | 1/2-14 | 1/2-14 | 1/2-14 |
| 10"    | 17.9921          | 10.5622 | 10.7480 | 0.5000 | 0.7500 | 1/2-14 | 1/2-14 | 1/2-14 |
| 12"    | 21.0630          | 12.5311 | 12.7520 | 0.5000 | 0.7500 | 1/2-14 | 1/2-14 | 1/2-14 |

### FRICTION LOSS - CHECK VALVE



| Part Number | Description               |
|-------------|---------------------------|
| CHVLVG200   | CHECK VLV GRV 2" 363PSI   |
| CHVLVG250   | CHECK VLV GRV 2.5" 363PSI |
| CHVLVG300   | CHECK VLV GRV 3" 363PSI   |
| CHVLVG400   | CHECK VLV GRV 4" 363PSI   |
| CHVLVG600   | CHECK VLV GRV 6" 363PSI   |
| CHVLVG800   | CHECK VLV GRV 8" 363PSI   |