

Figures 240-T, 240-D & 242-D Ball Check Valves

Description

GA Industries Figures 240T, 240-D and 242-D Ball Check Valves are non-clogging check valves that provide dependable, trouble free service in storm water, wastewater and sewage pumping applications. The valves have no external moving parts and are ideal for use with submersible pumps because they can be installed inside the wetwell, above or below the water surface.

Operation

At pump start, the ball freely moves up and away from its seat on smooth ribs integrally cast on the inside of the body. While in operation, flow through the valve tends to spin the ball shedding solids and stringy material. That action, combined with the lack of pockets or projections in the flow path, ensure long term, clog-free operation. At pump shutdown, the ball quickly falls to the seat to prevent return flow.

Standard Features

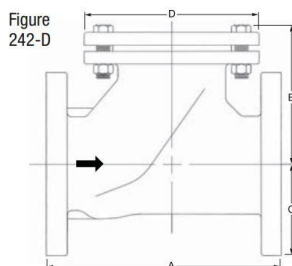
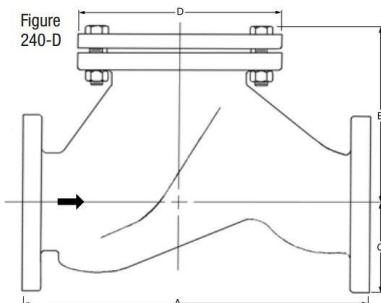
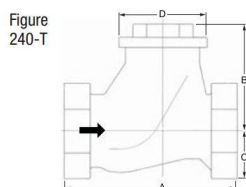
- Heavy-duty cast iron body with removable cover
- Buna-N rubber or rubber-coated sinking ball
- Drop tight sealing
- Suitable for vertical flow up or horizontal installation

Standard Materials

- Body & Cover Cast Iron, ASTM A126 Class B
- Ball 2" and smaller: Solid Buna-N Rubber
3" and larger: Aluminum Core, Molded & Vulcanized Buna-N Rubber Coating
- Cover Bolts Zinc Plated Steel

Corrosion Protection

- Standard: Internal and External 2-Part Epoxy
- Option SE 316 Stainless Steel Cover Bolt (Flanged Valves Only)



Data Sheet 240.01D



| Non-Shock Working Water Pressure at up to 150F (66C) | | |
|---|-----------|--------------------------------|
| Figure No. | 240-T | 240-D, 242-D |
| Connection | NPT | ANSI B16.1 Class 125 Flange |
| Size | 1¼" to 2" | 3" to 12" |
| Max Working Pressure | 150 PSI | 150 PSI |
| Hydro Test | 225 PSI | 225 PSI |

Installation Dimensions

| Fig. No | SIZE | A | B | C | D | Cv | WGT |
|---------|------|-----|-----|----|-----|-------|-----|
| 240-T | 1¼" | 8 | 4% | 1½ | 3% | 58 | 12 |
| | 1½" | 8 | 4% | 1¾ | 3% | 68 | 12 |
| | 2" | 9 | 6% | 2 | 5¼ | 124 | 20 |
| 240-D | 3" | 13½ | 7% | 3¼ | 8% | 242 | 60 |
| | 4" | 17½ | 9% | 4½ | 10% | 454 | 100 |
| | 6" | 24½ | 12% | 5½ | 13% | 1,040 | 230 |
| | 8" | 31½ | 15% | 6% | 16% | 2,000 | 370 |
| | 10" | 39% | 19% | 8 | 20% | 3,100 | 630 |
| | 12" | 46¼ | 24% | 9½ | 22% | 4,700 | 830 |
| 242-D | 4" | 11½ | 7% | 4½ | 8% | 290 | 80 |
| | 6" | 14 | 9% | 5½ | 10% | 550 | 140 |

Dimensions in inches, weight in pounds and are approximate. Request certified drawings if critical.

Ordering Data

- Figure Number (240-T, 240-D or 242-U)
- Size
- Options