

# Figures 230-DS, 230-US 16" – 24" Lever & Spring Swing Check Valve

## Description

VAG/GA Industries Figures 230-DS and 230-US are heavy duty, customizable swing check valves that utilize an adjustable spring assisted closure to minimize slam and hammer. The valves are typically installed on the discharge of a pump to prevent backflow when the pump is offline. It opens smoothly at pump start and closes quickly and quietly upon pump shutdown.

Figure 230-DS and 230-US meet the design, materials of construction and testing required by AWWA C508 and is suitable for use with water or sewage, in horizontal or vertical flow up pipes.

## Product Features

- Heavy duty construction withstands rigors of pump station operation
- Full flow area when swung only 25° away from seat for low head loss and reduced pumping cost
- Replaceable rubber disc seat for tight seating at low and high pressure
- Compression spring enclosed in chamber, eliminates pinch points

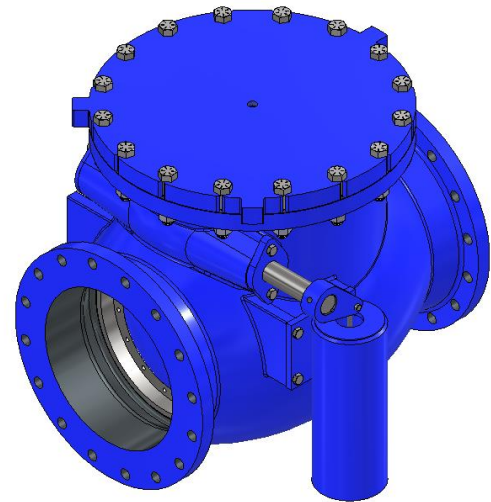
## Standard Materials

- Body & Disc Cast Iron, ASTM A126 Class B
- Cover Steel, ASTM A36
- Body Seat Stainless Steel, Type 316
- Disc Seat Buna-N
- Hinge Shaft Stainless Steel, Type 303
- External Fasteners Steel, A307, Zinc Plated
- Spring Steel

## Corrosion Protection

- Standard: Uncoated Internal, Enamel Primer External (See Option P2 and P3 for upgraded corrosion protection package)

Non-Shock Working Water Pressure at up to 150F (66C)		
Figure No.	230-DS	230-US
Flange	ANSI B16.1 Class 125	ANSI B16.1 Class 250
Size	16" – 24"	16" – 24"
Max Working Pressure	150 PSI	300 PSI
Shell Test	300 PSI	450 PSI



## Approvals & Certifications

- NSF-61 Certified for Contact with Drinking Water
- NSF-372 Certified Lead Free (Max 0.25% Lead Content by Weighted Average)
- AIS and BABA Compliant

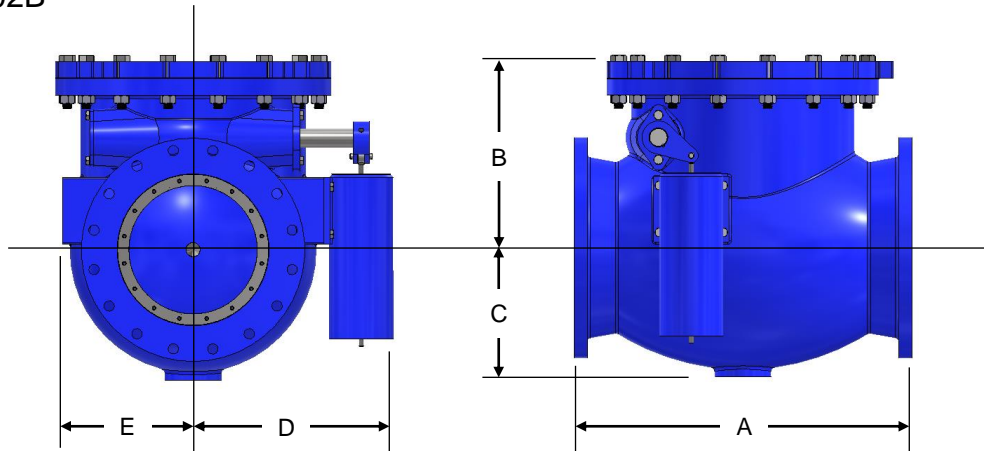
## Options

- Option P2: Minimum 6 mil Internal and External 2-Part NSF-61 Carboline 891 Epoxy and 316 SS External Fasteners
- Option P3: Minimum 6 mil Internal and External 2-Part NSF-61 Carboline 891 Epoxy, 316 SS Hinge Shaft and External Fasteners
- Option 1D: With Honeywell HDLS NEMA 1, 3, 4, 4X, 6, 6P, 12 & 13 DPDT Limit Switch
- Option LH: With Lever & Weight Factory Installed on Left Side Facing Inlet
- Option S3: Type 316 Stainless Steel Hinge Shaft (Included in Option P3)

## Ordering Data

- Figure Number (230-DS or 230-US)
- Size
- Options and/or Accessories

Data Sheet 230.02B



**Installation Dimensions**

	16"	18"	20"	24"
A	36	40	40	48
B	23	24	24	28
C	14	17½	17½	20
D	21	25½	25½	34
E	16	18	18	23
WGT	1800	2400	2800	6000

- Face to face same for both Class 125 and Class 250 flanged valves, Class 250 supplied with flat face
- Dimensions in inches, weight in pounds and are approximate. Request certified drawings if critical.
- Larger sizes available, consult factory

**Vertical Installation**

