

# Figures 230-D, 230-U

## 16" – 24" Lever & Spring Swing Check Valve

### Description

VAG/GA Industries Figures 230-D and 230-U 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.

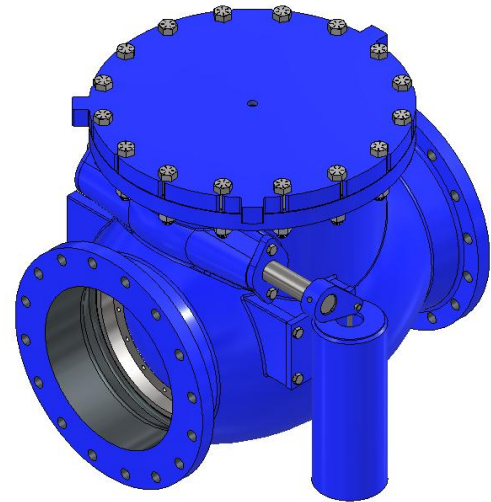
Figure 230-D and 230-U meet the design, materials of construction and testing required by AWWA C508 and is suitable for use with water or sewage, in horizontal or vertical flow up pipes.

### 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             | Alloy Steel   |
| • Coating            | Internal and external NSF-61/600 certified 2-part epoxy |



### 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 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 P3 With 316 SS Hinge Shaft, Disc Center Pin, Lock Nut and Washer, Shaft End Plate and External Fasteners
- Option S3 With Type 316 Stainless Steel Hinge Shaft (Included in Option P3)
- Option SE With 316 Stainless Steel External Fasteners (Included in Option P3)

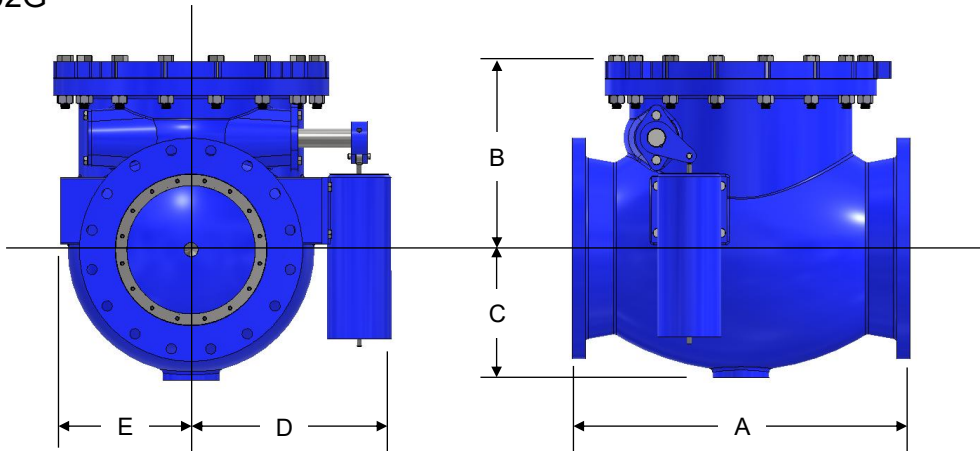
### Ordering Data

- Figure Number (230-D or 230-U)
- Size
- Options and/or Accessories

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Non-Shock Working Water Pressure at up to 150F (66C)		
Figure No.	230-D	230-U
Flange Drilling	ANSI B16.1 Class 125	ANSI B16.1 Class 250
Size	16" to 24"	16" to 24"
Max Working Pressure	200 PSI	300 PSI
Shell Test	400 PSI	450 PSI

Data Sheet 230.02G



**Installation Dimensions**

	16"	18"	20"	24"
A	36	40	40	48
B	23	24	24	28
C	14	17¼	17¼	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**

