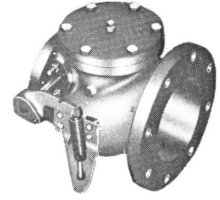


DOUBLE INCREASING LEVER AND SPRING SWING CHECK VALVES



GA FIGURE 232

SPECIFICATION/FUNCTION

The check valve shall be a GA Double Lever and Spring, rubber seated swing check valve. The valve shall permit flow in one direction only and close tightly, without slamming, when its discharge pressure exceeds its inlet pressure. The check valve body shall have an integrally cast outlet flange connection two nominal sizes larger than the inlet flange. Flange adaptors shall not be permitted.

DESCRIPTION

The swing check valve shall be installed on the discharge side of a pump with the flow direction (horizontal or vertically up), and shall function to prevent reverse flow back thru the pump when the pump is not running. The valve shall be made to operate without slam.

The hinge shaft shall be located completely above the waterway.

The valve shall be tight seating when closed, and provide a full equivalent pipe area when open fully. The seating shall be by a resilient field replaceable ring on the valve disc contacting a bronze (or stainless) seat ring in the valve body.

A Lever and Spring shall be provided to initiate valve closure.

CONSTRUCTION

The valve body shall be of Cast Iron (ASTM A126-B) and with a Cast Iron Disc of similar material. The hinge shaft shall be of 18-8 stainless steel with the disc arm and counterweight arm keyed thereon. The body seat shall be all Bronze (or Stainless Steel). The spring arm may be of the manufacturer's standard construction.

The hinge shaft packing gland shall be of the adjustable packing gland design employing a compression type packing. Simple o-ring shaft seals will not be accepted.

FIGURE NUMBER

The valve shall be as manufactured by GA Industries of Mars, Pennsylvania; _____ inch size and shall be their Fig. 232 Double Increasing Lever and Spring.

GENERAL DIMENSIONS

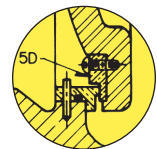
| VALVE SIZE | DOUBLE INCREASING SIZES | | |
|-----------------------------------|-------------------------|--------|--------|
| | 4x8 | 6x10 | 8x12 |
| A Face to Face | 13 1/2 | 18 7/8 | 22 1/4 |
| B C _L to Top | 8 1/2 | 9 | 12 |
| C C _L to Bottom | 5 | 6 | 9 |
| D C _L to Side | 11 | 12 | 14 |
| E C _L to Side | 5 | 7 | 8 |
| F Ship Wt. Lbs. | 180 | 270 | 390 |

Multiply pounds by .4536 to obtain kilograms.
Multiply inches by 25.40 to obtain millimeters.

PARTS LIST

| | | | |
|----|---------------------|----|---------------------|
| 1 | BODY | 13 | INNER BUSHING |
| 2 | BODY SEAT | 14 | OUTER BUSHING |
| 2A | SEAT O-RING | 15 | GLAND |
| 2B | SEAT PINS | 16 | GLAND STUDS |
| 3 | DISC & CENTER PIN | 17 | GLAND PACKING |
| 4 | DISC ARM | 18 | SHAFT LOCK PIN |
| 5A | RENEWABLE SEAT | 19 | DISC ARM KEY |
| 5B | SEAT FOLLOWER | 33 | COVER PLUG |
| 5C | SEAT SCREWS | 34 | SHAFT END PLATE |
| 5D | METAL SEAT WASHER | 35 | END PLATE BOLTS |
| 6 | DISC NUT | 36 | END PLATE SEAL |
| 6A | DISC NUT WASHER | 50 | SPRING MTG. BRACKET |
| 6B | DISC NUT PIN | 51 | SPR. BRACKET BOLTS |
| 8 | COVER GASKET | 52 | SPRING |
| 9 | COVER | 53 | EYE BOLT |
| 10 | COVER BOLTS | 54 | NUT |
| 11 | SHAFT | 55 | SPRING ARM |
| 12 | DISC ARM SET SCREWS | 56 | SPRING ARM KEY |

SECTION SHOWING ALTERNATE VALVE WITH METAL TO METAL SEAT. SEAT AND SEAT FOLLOWER ARE ONE PIECE. (OPTIONAL AT EXTRA COST. CONSULT FACTORY.)



BODY CROSS SECTION

Valves available with DIN, ISO, BS or special flanges.

