

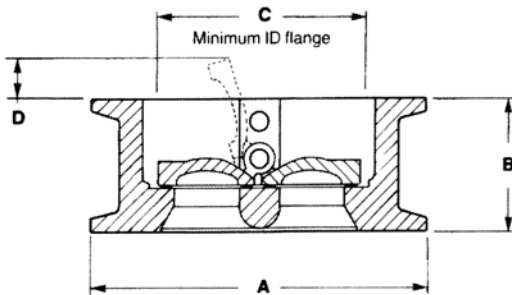
# CLASS 125 CAST IRON BODY DOUBLE DISC CHECK VALVE

**MODEL: F71-AHB-3-H**

| PRESSURE - TEMPERATURE RATINGS |                  |
|--------------------------------|------------------|
| WOG: 2" to 12"                 | 200 psi @ 150° F |
| WOG: 14" to 54"                | 150 psi @ 150° F |

## SERVICE RECOMMENDATIONS

These check valves are designed for liquid or gas service in accordance with ANSI rated working pressures. The 71 series will prevent surge and water hammer due to flow reversal. The specially designed springs close the discs before flow reversal can occur.



## FEATURES

The 71 series has a short face to face dimension and compact design which allows for use in tight spaces. The internal torsion springs have been designed to exert a lifting motion on the discs, which prevents excessive wear on the elastomer seats. The stop shaft stabilizes the discs during high flow rates. Maintenance can be performed on these units in the field, without the need for special tools.

## INSTALLATION

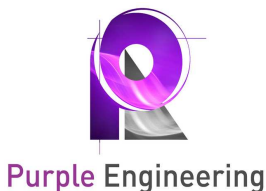
The 71 series can be mounted either vertically or horizontally; however please consult factory for vertical downward flow. All sizes will fit between ANSI bolt circles.

## CONSTRUCTION

The body of the 71 series is constructed from Cast Iron (ASTM A126). Through the 5 inch size, the standard disc supplied is bronze (ASTM B-62, 85-5-5-5). Sizes 6 inch through 54 inch are available with nickel coated ductile iron discs or bronze discs. Type 316 stainless steel discs are available in all sizes. The standard shaft and spring are made of type 316 stainless steel. The elastomer seat normally furnished is Buna-N. Please consult factory for high temperature service.

| Size | in.                        | 2"    | 2 1/2" | 3"    | 4"     | 5"      | 6"     | 8"    | 10"    | 12"    | 14"    | 16"    | 18"     | 20"    | 24"    | 30"      |
|------|----------------------------|-------|--------|-------|--------|---------|--------|-------|--------|--------|--------|--------|---------|--------|--------|----------|
|      | mm.                        | 50    | 65     | 80    | 100    | 125     | 150    | 200   | 250    | 300    | 350    | 400    | 450     | 500    | 600    | 750      |
| A    | I<br>N<br>C<br>H<br>E<br>S | 4 1/8 | 4 7/8  | 5 3/8 | 6 7/8  | 7 3/4   | 8 3/4  | 11    | 13 3/8 | 16 1/8 | 17 3/4 | 20 1/4 | 21 5/8  | 23 7/8 | 28 1/4 | 34 3/4   |
| B    |                            | 2 1/8 | 2 1/8  | 2 1/4 | 2 1/2  | 2 3/4   | 3      | 3 3/4 | 4 1/4  | 5 5/8  | 7 1/4  | 7 1/2  | 8       | 8 3/8  | 8 3/4  | 12       |
| C    |                            | N/A   | 1 1/8  | 2 1/2 | 3 7/16 | 4 1/2   | 5 3/8  | 7 1/2 | 9 1/2  | 11 3/4 | 12     | 14 1/2 | 16 5/16 | 18 1/4 | 22 5/8 | 28 11/16 |
| D    |                            | N/A   | 5/32   | 5/8   | 15/16  | 1 11/32 | 1 3/4  | 2 1/2 | 3 3/8  | 4 1/8  | 4 1/8  | 4 3/8  | 5 1/8   | 6      | 8 1/2  | 11       |
| WT.  | (lbs)                      | 4     | 5 1/2  | 7 1/2 | 13 1/2 | 17 1/2  | 26 1/2 | 50    | 70     | 108    | 170    | 225    | 280     | 390    | 590    | 1050     |

ALSO AVAILABLE IN SIZES 36", 42", 48" & 54".



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