FM492

Cast Iron Swing Check Valve

PN16

Features & Benefits

- Check valves permit flow in one direction only and close automatically if flow reverses
- Swing Type Check Valve with Bronze seat
- Fusion Bonded Epoxy coating suitable for C3 environment



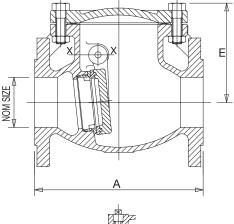
Materials

| PART | MATERIAL | SIZES | | | |
|----------------|------------------------------|-----------|--|--|--|
| Body | Cast Iron BS EN 1561 GJL-250 | All | | | |
| Сар | Cast Iron BS EN 1561 GJL-250 | All | | | |
| Disc | Cast Iron BS EN 1561 GJL-250 | All | | | |
| Body Seat Ring | Bronze BS EN 1982 CC491K | All | | | |
| Disc Ring | Bronze BS EN 1982 CC491K | All | | | |
| Hinge Pin Bush | Bronze BS EN 1982 CC491K | All | | | |
| Hinge Pin Plug | Bronze BS EN 1982 CC491K | All | | | |
| Hinge Pin | Stainless Steel Type 304 | 50 - 100 | | | |
| Hinge Pin | 13% Cr.Steel AISI Type 410 | 125 - 300 | | | |
| Cap Bolts | Steel BS 3692 Gr.8.8 | All | | | |
| Cap Bolt Nuts | Steel BS 3692 Gr.8 | All | | | |
| Gasket | Asbestos Free | All | | | |
| Body Plate | Aluminium | All | | | |

Dimensions & Weights

| SIZE (mm) | WEIGHT (kg) | A (mm) | E (mm) | |
|--------------|----------------|-----------|-----------|--|
| 50 | 11.3 | 203 | 113 | |
| 65 | 15.6 | 216 | 126 | |
| 80 | 19.3 | 241 | 136 | |
| 100 | 26.6 | 292 | 153 | |
| 125 | 44 | 330 | 186 | |
| 150 | 55.5 | 356 | 207 | |
| 200 | 119 | 495 | 250 | |
| 250 | 175 | 622 | 352 | |
| 300 | 263 | 698 | 397 | |

Dimensional Drawing





SECTION X-X

Pressure/Temperature Ratings

| TEMPERATURE (°C) | -10 to 120 | 220 |
|------------------|------------|------|
| PRESSURE (BAR) | 16 | 12.1 |

Intermediate pressure ratings shall be determined by interpolation.

PRESSURE RATING: PN16 TEMPERATURE OPERATING RANGE: -10 to 220°C UK END CONNECTION: Flanged BS EN 1092-2 OPERATOR: Swing Type Check Valve **SPECIFICATION:** Swing Type Check Valve in accordance with BS EN 16767, PN16 Rated. Cast Iron Body, Cap and Disc. CC491K Bronze Seat Ring, Disc Ring, Bush and Plug. SS Hinge pin, Asbestos free gasket. Fusion Bonded Epoxy coating suitable for C3 environment. The valve has been categorized in accordance with Pressure Equipment Directive 2014/68/EU as shown in below table.

| FIG NO. MATERI | | PED CATEGORY BY VALVE SIZE (DN) | | PRODUCT APPLICATIONS | | | | |
|----------------|-----------|---------------------------------|--------|----------------------|----------------|----------------|-------------------|-------------------|
| | MATERIAL | SEP | 1 | 2 | Group 1 Gas | Group 2 Gas | Group 1 Liquid | Group 2 Liquid |
| FM492 | Cast Iron | 50 | 65-125 | 150-300 | - | \checkmark | \checkmark | \checkmark |

* See page 159 for more information

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GENERAL VALVES

Vaild as of 21/09/21

Every effort has been made to ensure that the information contained in this publication is accurate at the time of publishing. Crane Ltd assumes no responsibility or liability for typographical errors or omissions or for any misinterpretation of the information within the publication and reserves the right to change without notice.

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