

# F493

F493

## Cast Iron Swing Check Valve

Class 125

### Features & Benefits

- Check valves permit flow in one direction only and close automatically if the flow reverses.
- Entirely automatic in action, depending upon pressure and velocity of flow within the line to perform their functions of opening and closing
- The F493 is a swing check valve with a Bronze trim
- Manufactured to BS EN 16767
- Fusion Bonded Epoxy coating suitable for C3 environment

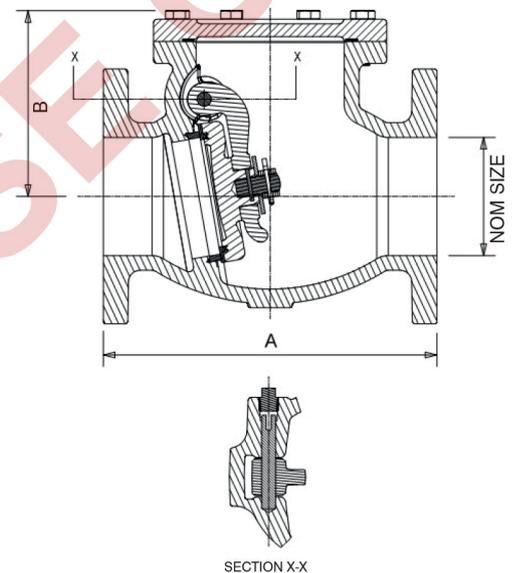


GENERAL VALVES

### Materials

PART	MATERIAL	SIZES
Body	Cast Iron BS EN 1561 GJL-250	All
Cap	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	Ductile Iron BSEN1563 EN-GJS-450-10	All
Hinge Pin Plug	Brass BS2874 C2122	All
Hinge Pin	Stainless Steel Type 304	All
Cap Bolts	Steel BS970 43A	All
Gasket	Asbestos Free	All
Body Plate	Aluminium	All

### Dimensional Drawing



### Dimensions & Weights

SIZE (inch)	WEIGHT (kg)	A (mm)	B (mm)	Kv
2	10.4	203	103	123.70
2 1/2	14.2	216	120	208.90
3	19.0	241	141	316.40
4	33.3	292	162	494
5	49.0	330	187	772
6	63.6	356	211	1111.80
8	112.0	495	270	1976.50
10	189.5	622	316	3088.30
12	247.0	698	357	4447.10

### Pressure/Temperature Ratings

TEMPERATURE (°C)	-10 to 65	150	230
PRESSURE (BAR)	13.8	11.4	8.6

Intermediate pressure ratings shall be determined by interpolation.

**PRESSURE RATING:** Class 125

**TEMPERATURE OPERATING RANGE:** -10 to 230°C

**US END CONNECTION:** ANSI Class 125

**OPERATOR:** Swing Check Valve

**SPECIFICATION:** Swing check valve with cast Iron body and bonnet to BS EN 1561 GJL-250, cast iron disk to BS EN 1561 GJL-250 with bronze disk facing and bronze seat to BS EN 1982 CC491K. Valve is full bore and manufactured in accordance with BS EN 16767 and rated PN16 with -10 to 65°C temperature range. Gasket material shall be graphite-based. Valve is supplied with drilled flanges in accordance with BS EN 1092-2 PN16. Valve has C3 corrosion level epoxy coating and shall be categorized in accordance with the Pressure Equipment Directive 2014/68/EU and EU and the Pressure Equipment (Safety) Regulations 2016.

FIG NO.	MATERIAL	PED CATEGORY BY VALVE SIZE (DN)			PRODUCT APPLICATIONS			
		SEP	1	2	Group 1 Gas	Group 2 Gas	Group 1 Liquid	Group 2 Liquid
F493	Cast Iron	50-65	80-125	150-300	-	✓	✓	✓

\*see Quality Assurance page for more information

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