

Double Hinge Flap Valve

A flap valve is a mechanical device installed at a pipe discharge or culvert to prevent reverse flow of water or sewage. When the flow reaches the flap the applied pressure opens the flap allowing the flow to pass through the valve. When in the closed position, the volume of fluid acting against the flap pushes the flap seat against the frame maintaining a seal.

Comprising of a frame and flap in ductile iron offering excellent strength to weight ratio, double hinge mechanism for optimal seating alignment, austenitic stainless steel anti tamper hinge pins, resilient seat for reliable sealing performance, durable corrosion resistant fusion bonded epoxy coating and unique scalloped frame for reduced weight to aid installation.

Our valves are easy to install and require minimal maintenance, making them a cost-effective solutions for your piping needs. We offer a range of sizes to suit different pipe diameters, and our valves are compatible with most standard piping systems.



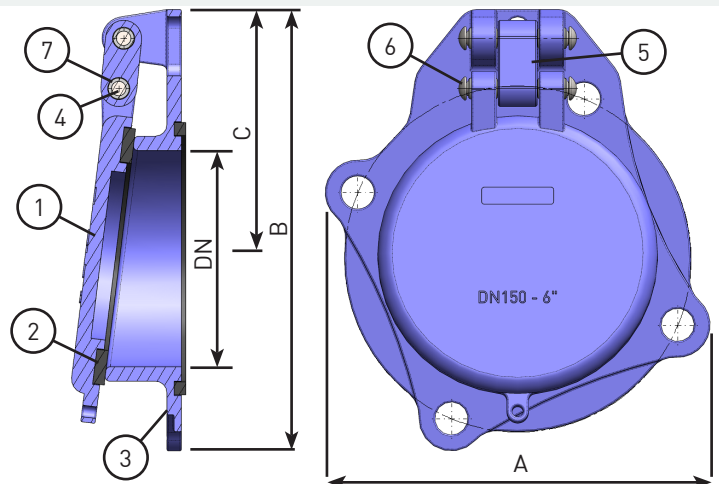
Features & Technical Specification

- Unique ductile iron design
- Double hinge for optimal resilient seating
- Durable fusion bonded epoxy coated
- Anti-tamper stainless steel hinge pins
- Bushed hinge links
- Corrosion resistant construction
- Lifting eye as standard
- Drilled to suit flange and wall mounting

RANGE	DN80 TO DN600
FLANGES AND DRILLING	BS EN 1092-2 1987 TABLE 9 [PN16]
MAXIMUM WORKING PRESSURE	6m STATIC ON-SEAT HEAD
COATING	BLUE FUSION BONDED EPOXY

Material & Dimensions

DN	A	B	C	PCD	HOLES (No. - Ø)	WEIGHT (Kg)
80	188	219	125	160	4 - 18	4
100	206	238	135	180	4 - 18	5
150	267	306	173	240	4 - 22	7
200	318	357	198	295	4 - 22	12
225* (9")	343	396	224	324	4 - 19	14
250	371	423	238	355	4 - 26	16
300	410	487	282	410	4 - 28	28
350	495	560	313	470	4 - 28	37
375* (15")	495	560	313	495	4 - 25	37
400	525	593	330	525	4 - 31	46
450	640	653	360	586	4 - 31	55
500	650	725	399	650	4 - 35	67
600	770	835	450	770	4 - 38	92



ITEM	ITEM NAME	MATERIAL	SPECIFICATION
1	FLAP	DUCTILE IRON	BS EN 1563 GR 500/7
2	GATE SEAL	NBR	-
3	FRAME	DUCTILE IRON	BS EN 1563 GR 500/7
4	HINGE PIN	ST. STEEL	BS EN 1982
5	HINGE	ST. STEEL	BS EN 1982
6	STAR LOCK	ST. STEEL	BS EN 1982
7	BUSH	PTFE	-

Dimensions in mm. Weights are approximate
 *Drilled BS10 Table D. DN = Nominal Valve Size.
 Larger sizes are available on request.