

Ductile Iron Flap Valve PN16 Fig. VA5218

Specification

- ✓ Ductile iron flap valve designed for prevention of reverse flow
- ✓ Size Range: DN50 – DN600
- ✓ Rated Working Pressure: PN16
- ✓ Flanged Connection: BS EN 1092-2, PN16
- ✓ Automatic gravity-operated closing mechanism
- ✓ Stainless steel protective screen prevents debris and foreign objects from entering the pipeline
- ✓ Resilient EPDM sealing for reliable shut-off
- ✓ Suitable for water, drainage and wastewater applications
- ✓ Designed for installation at pipeline discharge and outfall points



Material Specification

Item	Part Name	Material	Specification
1	Body	Ductile Iron	BS EN 1563 – EN-GJS-500-7
2	Bonnet/Flap	Ductile Iron	BS EN 1563 – EN-GJS-500-7
3	Screen	Stainless Steel 304	BS EN 10088 – 1.4301 / X5CrNi18-10
4	Pin	Stainless Steel 304	BS EN 10088 – 1.4301 / X5CrNi18-10
5	Metal Gasket	Stainless Steel 304	BS EN 10088 – 1.4301 / X5CrNi18-10
6	Clip	Stainless Steel 304	BS EN 10088 – 1.4301 / X5CrNi18-10
7	Gasket	EPDM	BS EN 681-1
8	Lifting Ring	Carbon Steel	BS EN 10025-2

Corrosion Protection

Internally and externally Fusion Bonded Epoxy (FBE) powder coated

HYDROSTATIC TEST PRESSURE

✓ Shell - 24 bar ✓ Seat - 17.6 bar

PRESSURE/ TEMPERATURE RATING

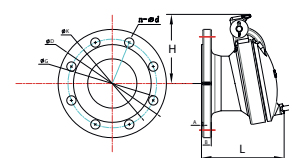
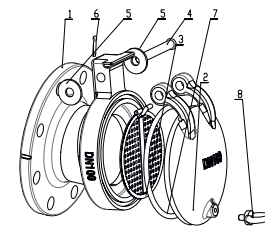
✓ 16 bar from -10°C to 120°C WRAS Approved to - 10°C to 85°C

Main Dimensions (mm)

Size	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN400	DN500	DN600
øD	PN10 165	185	200	220	250	285	340	405	460	580	715	840
øK	PN16 165	185	200	220	250	285	340	405	460	580	715	840
øG	PN10 125	145	160	180	210	240	295	350	400	515	620	725
N-ød	PN16 125	145	160	180	210	240	295	355	410	525	650	770
A	PN10 99	118	132	156	186	211	266	319	370	480	582	682
B	PN16 99	118	132	156	186	211	266	319	370	480	609	720
H	PN10 4-ø19	4-ø19	8-ø19	8-ø19	8-ø19	8-ø23	8-ø23	12-ø23	12-ø23	16-ø28	20-ø28	30-ø31
L	PN16 4-ø19	4-ø19	8-ø19	8-ø19	8-ø19	8-ø23	12-ø23	12-ø28	12-ø28	16-ø31	20-ø34	20-ø37
A	3	3	3	3	3	3	3	3	4	4	4	5
B	19	19	19	19	19	19	20	22	25	28	32	36
H	107	119	128	141	151	169	200	250	320	408	503	586
L	129	146	150	158	165	168	185	245	305	356	415	443

Features & Benefits

- ✓ Automatic Backflow Prevention Prevents reverse flow without external power or manual operation
- ✓ Gravity-Operated Design Provides simple and reliable automatic closing
- ✓ Stainless Steel Protective Screen Helps prevent debris and foreign objects from entering the pipeline
- ✓ Resilient EPDM Sealing Provides reliable sealing performance during valve closure
- ✓ Robust Ductile Iron Construction Provides high mechanical strength and long service life
- ✓ Corrosion-Resistant Components Stainless steel internal components provide enhanced durability
- ✓ Low Maintenance Simple operating mechanism minimizes maintenance requirements
- ✓ Wide Application Range Suitable for water, drainage and wastewater systems



Notes

Specifications, materials and dimensions shown are subject to change without prior notice

