

Swing Check Valve

Specifications

- Valves comply with EN16767, BS5163, MSS SP-71 or AWWA C508
- Globe shape to provide full flow with low pressure drop
- Suitable for mounting in horizontal and vertical position (with vertical flow upwards)
- Outside lever and adjustable weight or outside lever and spring
- Available with flanges EN1092-2 PN10 or PN16, ANSI B16.1 Class 125 (other flange types available on request)

Working Pressure

- 16 bar / 200 psi for size DN50 to DN600
- 25 bar / 300 psi for size DN50 to DN300

Working Temperature

- -10°C to 120°C for Bronze or EPDM disc sealed ring
- -10°C to 82°C for NBR disc sealed ring

Corrosion Protection

- Internally and externally liquid epoxy painted or fusion bonded epoxy powder coated (FBE)

Material Specifications

Part Name	Materials	EN Specification	ASTM Specification
Body	Cast Iron	EN-JL 1040	A126 Class B
Cover	Cast Iron	EN-JL1040	A126 Class B
Packing Gland	Ductile Iron	EN-JS 1040	A536 Grade 65-45-12
Hanger Pin	Stainless Steel	EN 10088 X5CrNi18-10	A276 Grade 304
Hanger	Ductile Iron	EN-JS 1040	A536 Grade 65-45-12
Disc	Cast Iron	EN-JL1040	A126 Class B
Disc Trim	Bronze	EN1982 CC491K	B62 C83600
	EPDM / NBR	Commercial	D2000
Body Trim	Bronze	EN1982 CC491K	B62 C83600
Gasket	Graphite	Non-Asbestos	Non-Asbestos
Lever	Carbon Steel	BS970 050A20	A29 1020
Weight	Cast Iron	EN-JL1040	A126 Class B
Spring	Spring Steel	Spring Steel	ASTM UNS1066

Dimensions (mm)

Size	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500	DN600
L	203	216	241	292	330	356	495	622	699	787	914	965	1016	1219
H	121	135	141	168	182	215	267	305	343	450	520	550	590	680

Notes

- Designs, materials and specifications shown are subject to change without notice due to the continuous development of our products.

FIG. LV5108 - Bronze Disc Trim
FIG. LV5110 - Rubber Disc Trim

Schematic

