

COMPLETE LINE




VCW

TECNOLOGIA EM RETENÇÃO DE FLUXOS

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SWING CHECK VALVE

Series VRE valve is a Swing Check Valve with a versatile design that introduces several innovations that set it apart from other existing valves on the market and aims to serve with excellence the water market and its needs. The great advantage is its disc design with short operating travel which turns the valve faster, reducing and even eliminating slams on line.

CHARACTERISTICS

- ✓ Flanged : DN 80mm (3") – 800mm (32")
- ✓ Body Material: Ductil iron
- ✓ Disc Material: Totally encapsulated in rubber
- ✓ Pressure rating: PN 10 | PN 16
- ✓ Installation: NBR 7675 | ANSI | otherst
- ✓ Construction: AWWA C508



BODY VALVE

One piece cast body complying with AWWA C508.



DISC

Totally encapsulated with rubber and reinforced internally with nylon wool, ensuring bending, without rupture.



CAP

Easy installation, allows valve cleaning and maintenance in line.



DRAIN

Hole with threaded plug, allows cleaning.

100% VALVE FLOW

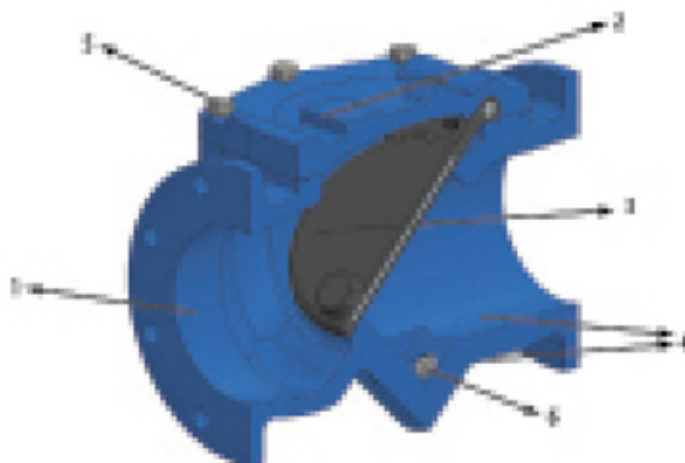
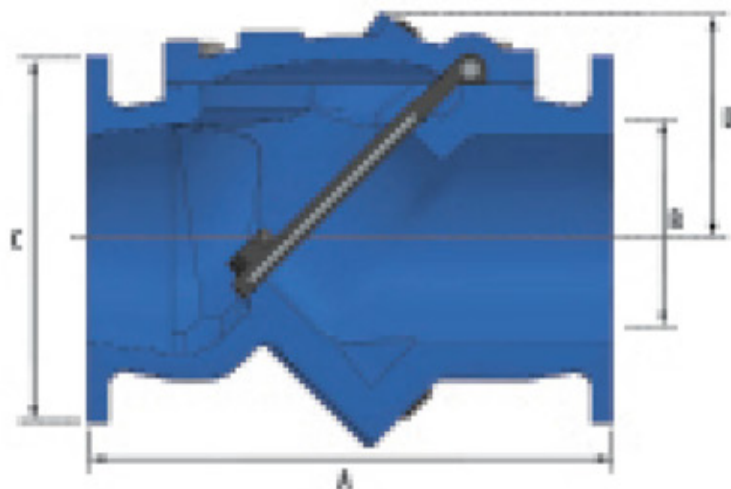
Low pressure drop, without flow restriction.



FAST CLOSING

Disc short operating travel allows quick closing and contributes to reduce "shots".

SWING CHECK VALVE DIMENSIONS					
DN MM/POL.	A	B	C	D	WEIGHT(KG)
80 (3")	241	80	200	125	28
100 (4")	292	100	220	140	32
150 (6")	356	150	285	175	44
200 (8")	495	200	340	215	103
250 (10")	622	250	400	280	195
300 (12")	698	300	455	300	278
350 (14")	787	350	505	315	310
400 (16")	914	400	580	355	398
500 (20")	1016	500	698	430	725
600 (24")	1219	600	780	495	1.100
700 (28")	1500	700	910	580	2.020
800 (32")	1700	780	1025	600	2.300



PIECE	STANDARD MATERIAL	OPTIONAL
1 - BODY	DUCTIL IRON ASTM A536-65.45.12	CARBON STEEL ASTM A216 GR. WCB
2 - CAP	DUCTIL IRON ASTM A536-65.45.12	CARBON STEEL ASTM A216 GR. WCB
3 - DISC	BUNA-N	EPDM OR POLYURETHANE
4 - INTERNAL / EXTERNAL LINING	EPOXY	
5 - HEXAGONAL BOLT	ZINC PLATED CARBON STEEL	STAINLESS STEEL
6 - PLUG	CARBON STEEL	STAINLESS STEEL

SUGGESTED SPECIFICATION

Rubber Single Disc Check Valve DN (1). Disc integrally lined with rubber (2), internal reinforce with nylon wool providing greater mechanic strength and 35-degree seat valve. Face to face construction according to AWWA C508.

Flanged ends according to ABNT NBR 7675 / ISO 2531. Valve body made of Ductil iron ASTM A536 GR65.45.12. Valve bottom has a hole with a threaded plug for drainage and cleaning. Removable cap made of nodular cast iron ASTM A536 GR65.45.12 allows cleaning and disc exchange without removing the valve from the pipeline. Internal and externally lined with epoxy painting with a minimum thickness of 90 microns in blue color.

1 – Nominal Diameter: DN 80mm (3") – 800mm (32")

2 – Buna N / EPDM / others


NOTE: Suggested specification is for guidance only, materials will be provided as requested by the client.



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