



Head Office: SUITE 2511, TOWER 3, CITY CENTER,
166 MINHONG ROAD, SHANGHAI 201102, P.R. CHINA

Tel: 86-21-54807903
Fax: 86-21-54807908

E-mail: johnsonvalve@vip.126.com
sales@johnsonvalve.com

<http://www.johnsonvalve.com>

**SHANGHAI JOHNSON
INDUSTRIES CO., LIMITED**

WATER VALVES, FITTINGS,
FIRE HYDRANTS & PIPELINE ACCESSORIES
TO BS, DIN, AWWA STANDARDS



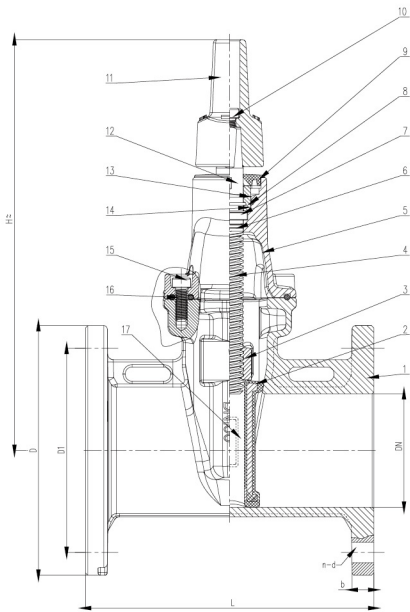
Patented Resilient Seat Gate Valve

Model No. CV-R101(N2), CV-R301-F4(N2)

- Design to BS5163, DIN3352 part 1/F4
- Face to face dimensions to BS5163, DIN3352 part 4
- Flange Drilled to ISO1092-1
- Non-rising stem
- Stem seal can be replaced under pressure while the valve is in the fully open position
- Patented design with no internal threads inside the bonnet
- Suitable for potabel water, sewage and neutral liquid up to 70°C
- Fusion-bonded epoxy coating, applied internally and externally with a minimum thickness of 250 microns



Model No. CV-R101(N2)
CV-R301-F4(N2)



Components

No.	Name	Material
1	Body	Ductile Iron, BS EN 1563 EN-GJS-500-7
2	Wedge	DI Core, fully Vulcanized with EPDM
3	Wedge Nut	Forged Brass, BS EN 12165 CW617N
4	Stem	Stainless Steel, BS EN 10088-3
5	Bonnet	Ductile Iron, BS EN 1563 EN-GJS-500-7
6	Stem O-ring	Rubber, EPDM
7	Stem Washer	Brass
8	O-ring	Rubber, EPDM
9	Dust Cover	Rubber, NBR
10	Cap Top Screw	Stainless Steel
11	Cap Top	Ductile Iron, BS EN 1563 EN-GJS-500-7
12	Lock Pin	Stainless Steel
13	O-ring	Rubber, EPDM
14	Seal Bush	Forged Brass, BS EN 12165 CW617N
15	Bonnet Bolts	Stainless Steel
16	Bonnet Washer	Rubber, EPDM
17	Wedge Guide	PVC

Four O-Ring Sealing System

- Four stem sealing O-rings, three of which can be replaced under pressure while the valve is in the fully open position

Epoxy Powder Coating

- Fusion-bonded epoxy coating, applied internally and externally with a minimum thickness of 250 microns, providing excellent corrosion protection and suitable for potable water applications

Flange Drilling to ISO 1092-1 / ANSI Class 125

- Face-to-face dimensions comply with BS 5163, BS 1218, DIN 3352 F4/F5 and ANSI B16.10

Full Diameter Waterway

- Provides smooth, unobstructed flow

Ductile Iron Wedge

- Ductile iron core fully encapsulated with vulcanized EPDM rubber suitable for potable water applications

Wedge Guide Shoes

- Reduce operating torque for smoother operation

Stainless Steel Stem

- Made by high strength stainless steel bar with rolled threads.

Foot Support Design

- Designed to keep the valve in a stable vertical position for easier transportation, storage and installation

Dimensions (mm)

DN	L(5163)	L(F4)	D	D1	b	n-d	H
50	178	150	165	125	19	4-Ø18	280
80	203	180	200	160	19	8-Ø18	332
100	229	190	220	180	19	8-Ø18	362
150	267	210	285	240	19	8-Ø22	448
200	292	230	340	295	20	12-Ø22	545
250	330	250	405	355	22	12-Ø26	646
300	356	270	460	410	24.5	12-Ø26	732

Patented Seal Bush Design

- Securely fixed with two locking pins

- Thread-free design prevents rust and corrosion

China Patent No. ZL 2025 2 1292645.7

