Swing (Rubber Flap) Check Valve
RDCV Series

WALTER Model RDCV Swing (Rubber Flap) Check Valves are the main type of non-return valve being used in water networks and pumping station for years.
It is a fully encapsulated resilient disc seat, double flange swing check valve for reliable reverse flow prevention, good for both clean water/sewage applications. 45 degree angle declined seat which can help quick closure and minimize the water hammer and slamming and easy to do maintenance by removing the bonnet part.
Flow direction arrow on the valve should be followed during installation.





Technical Data	
Size range	DN50-DN600
Pressure range	PN10-16-25
Temperature	EPDM -10℃ to +80℃ / NBR -10℃ to +60℃
Design	EN 12334
Face to face	BS5153
Flange drilling	EN 1092-2 / ISO 7005-2
Coating	Thermoplastic Powder Epoxy
Testing	EN 12266-1
Marking	EN 19
Coating Blue Color	RAL 5005
	RAL 5010
	RAL 5015
	Custom made

Application Range

- Pump Stations
- Water Supply Systems
- Water treatment and distribution systems
- Tanks
- Power Station Cooling Lines

Operation Versions

- MAX to DN700
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Testing

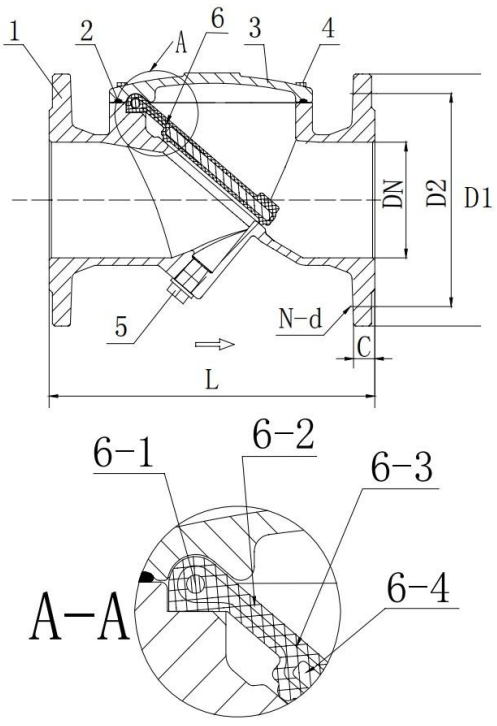
- Body Strength Test: BS EN 12266-1: 1.5 x PN
- Seat Tightness Test: BS EN 12266-1: 1.1 x PN
  ISO 5208 Rate A
- Operability Test: BS EN 12266-2

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Features

• GGG40/50 Ductile Iron Body & Disc allows high impact and stretching resistance
• Resilient Seat seated type
• Possible to install on horizontal and vertical pipelines with varied flow directions. It is necessary to mention the lever positioning requirements according to your project in order to arrange the lever side and position during production.
• Full coating on the body and disc internally & externally with an average of 250 microns. Higher coating thicknesses are available when required.
• WRAS approved coating available upon request which meets hygienic requirements for potable water applications
• Maintenance free design
• For proper installation, direction arrow on the body should be considered.
• Balanced positioned lifting holes on the body ease transportation and installation
• Hydro-static test pressure for seat: PN x 1.1 , for shell: PN x 1.5 according to EN 12266-1

Material Specification



No.	Part Name	Material	Standard
1	Body	Ductile Iron	EN GJS500-7
2	O-ring	Rubber	NBR
3	Bonnet	Ductile Iron	EN GJS 500-7
4	Bolt	Galvanized Steel	Commercial
*5	Plug	Galvanized Steel	Commercial
6	Disc	Steel +Rubber	C45E4+EPDM/NBR
6-1	Bar	Steel	C45E4
6-2	Lining	Rubber	EPDM/NBR
6-3	Reinforcement Fabric	Nyoln	Commercial
6-4	Disc Plate	Carbon Steel	C45E4

***Item 5 will be an option.**

Unit:mm

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Dimension PN10/16 (mm)

DN	L	D1		D2		n- Ød		C
		PN10	PN16	PN10	PN16	PN10	PN16	
50	203	165		125		4- Ø19		19
65	216	185		145		4- Ø19		19
80	241	200		160		8- Ø19		19
100	292	220		180		8- Ø19		19
125	330	250		210		8- Ø19		19
150	356	285		240		8- Ø23		19
200	495	340		295		8- Ø23	12- Ø23	20
250	622	395	405	350	355	12- Ø23	12- Ø28	22
300	698	445	460	400	410	12- Ø23	12- Ø28	24.5
350	787	505	520	460	470	16- Ø23	16- Ø28	26.5
400	914	565	580	515	525	16- Ø28	16- Ø31	28
*450	914	615	640	565	585	20-228	20- Ø31	30
500	978	670	715	620	650	20- Ø28	20- Ø34	31.5
*600	1100	780	840	725	770	20- Ø31	20- Ø37	30

Please consult factory for other size / standard.