

Rubber Flap Check Valve DIN3202.F6, BS5153, BS EN12334/EN16767

Rubber Flap Check Valve, is designed to prevent reverse flow automatically. During system flow conditions, the movement of the fluid forces the disc to the open position allowing 100% unrestricted flow area through the valve. Under reverse flow conditions, the disc automatically returns to the closed position to prevent reverse flow. The valve is of the swing check type utilizing an angled seat and fully encapsulated, resilient disc. It is capable of handling a wide range of fluids including flows containing suspended solids.



Standards

- ✓ **Hydraulic tests according to EN-12266-1, Class A.**
- ✓ **Design: DIN3202-F6, BS5153, BS EN12334/EN16767.**
- ✓ **Flanges to EN-1092-2, BS4504.**



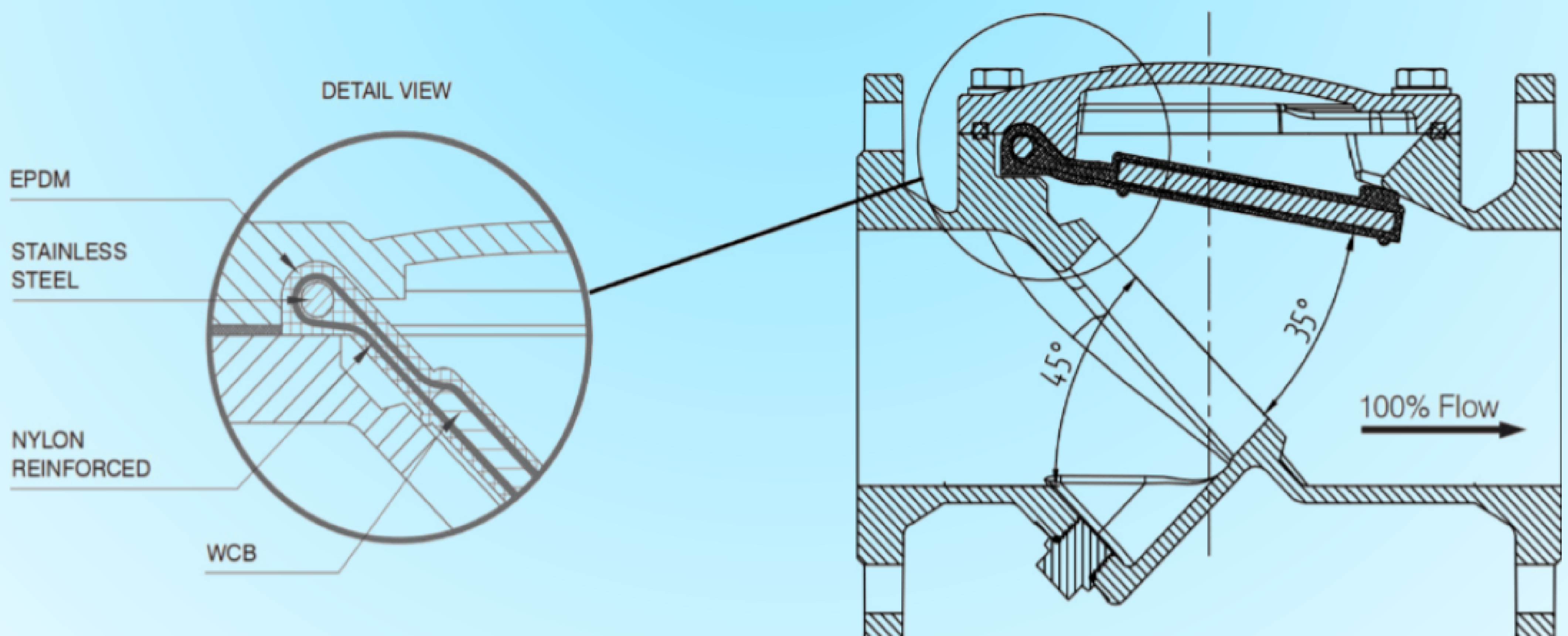
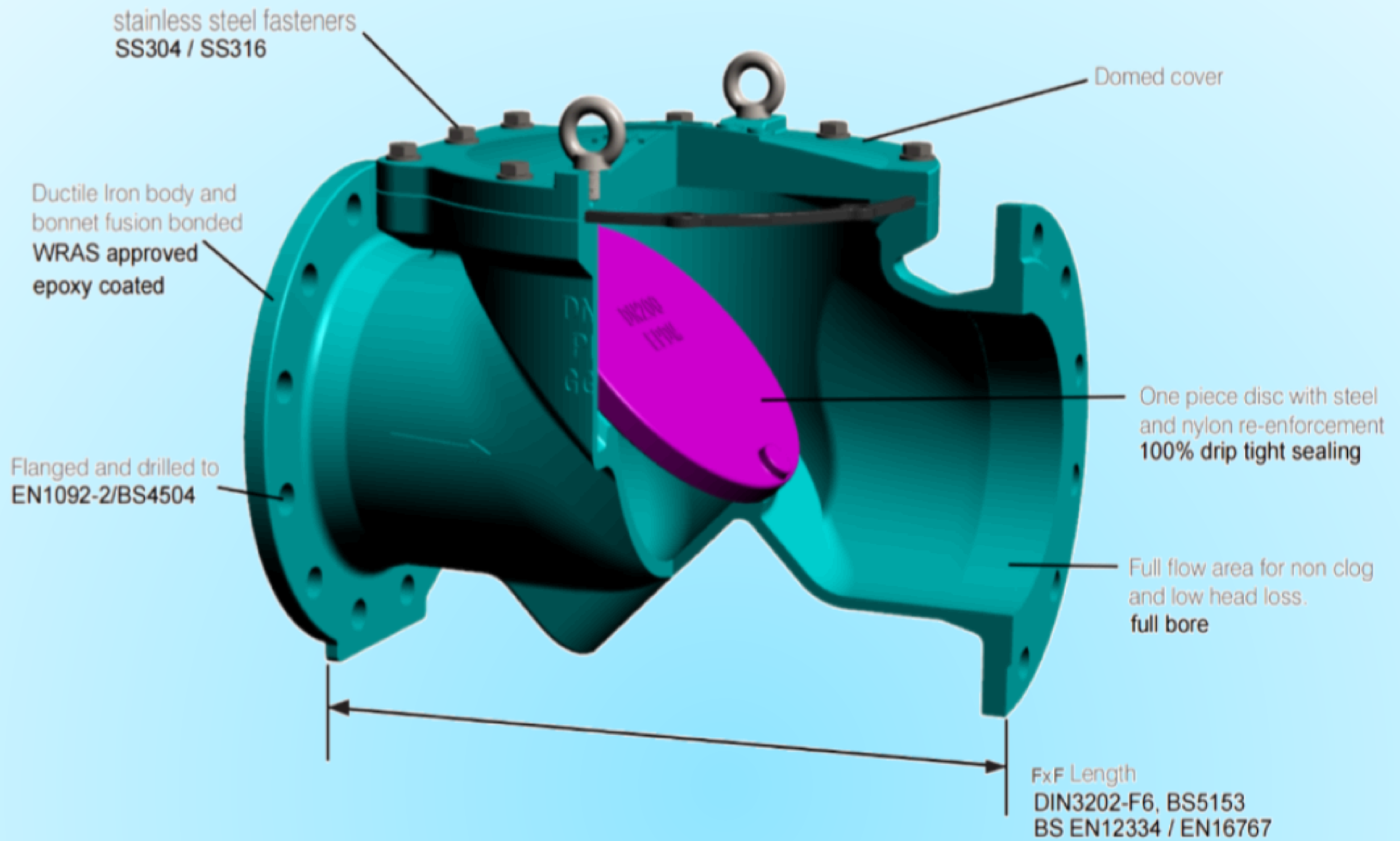
Applications

- ✓ **Potable water and neutral liquid applications.**
- ✓ **Main transmission pipelines.**
- ✓ **Irrigation system.**
- ✓ **Firefighting.**
- ✓ **Pump stations.**

MAIN FEATURES

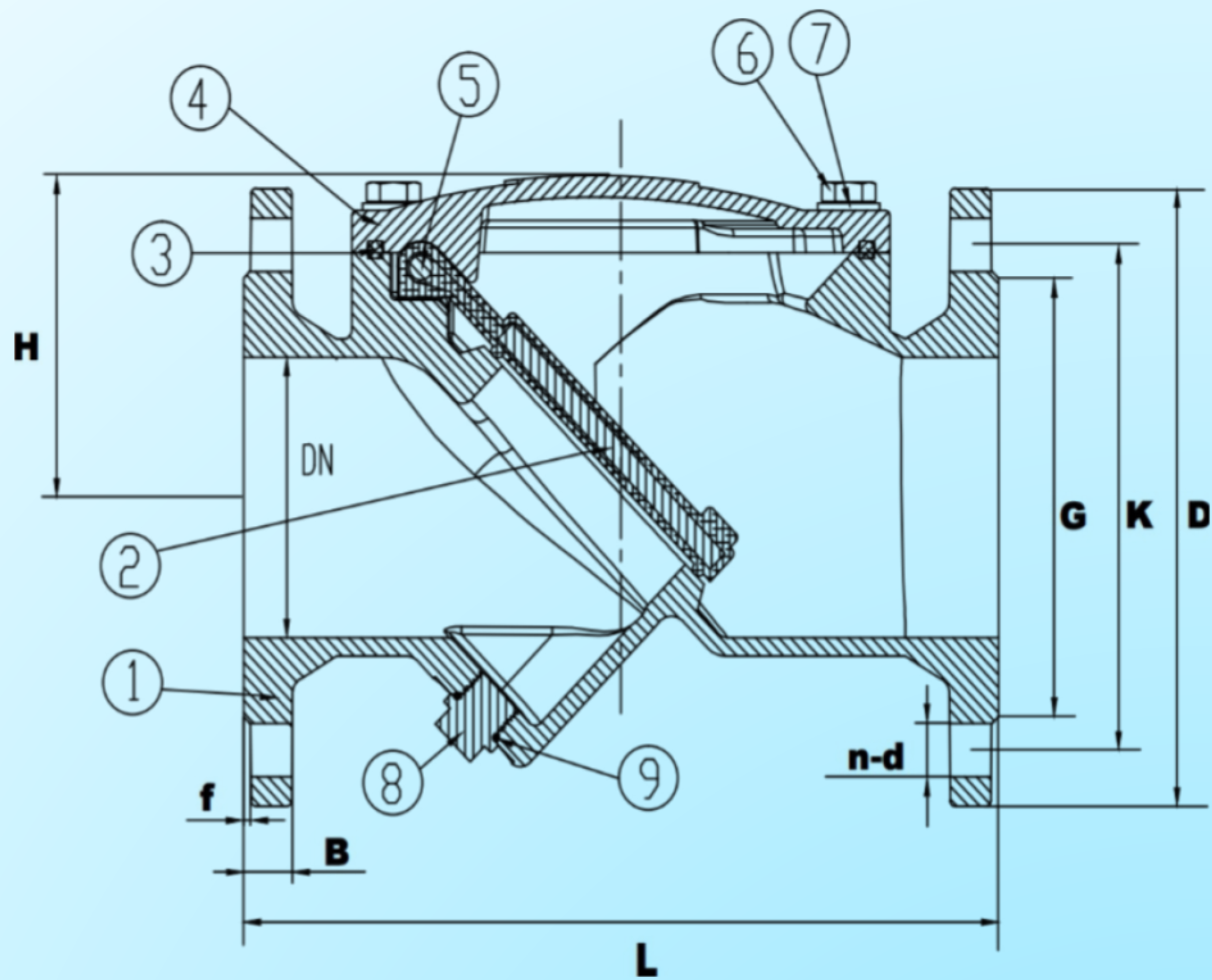
- ✓ rubber seated, 100% sealing, zero leakage.
- ✓ easily rubber lined for abrasion resistance.
- ✓ 100% testing before packing and delivery.
- ✓ 100% flow area, full waterway for low headloss.
- ✓ suitable for horizontal or vertical installation.
- ✓ one piece disc, special precision molded EPDM.
- ✓ internal steel re-enforcement disc for positive closure.
- ✓ non slam, non-clogging.
- ✓ does not need counterweight.
- ✓ lower power consumption due to lower headloss.
- ✓ WRAS approved material for drinking water upon request.
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Rubber Flap Check Valve DIN3202.F6, BS5153, BS EN12334/EN16767



PART LIST & Dimensions

Rubber Flap Check Valve Swing type



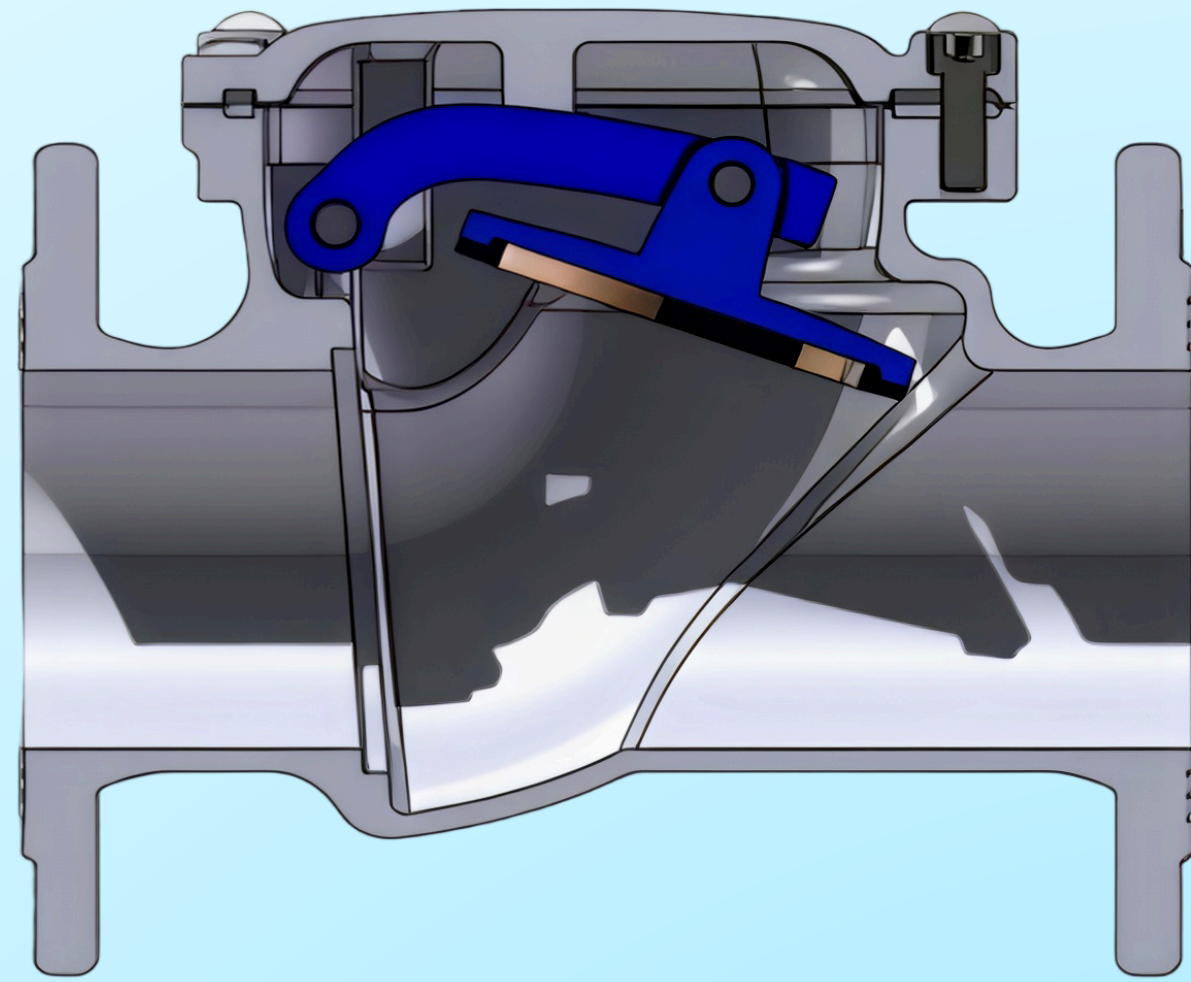
No.	Component	Standard Material
1	Body	Ductile Iron GJS500-7
2	Flapper	WCB + EPDM / NBR
3	Gasket	NBR / EPDM
4	Cover	Ductile Iron GJS500-7
5	Shaft Pin	SS304 / SS316
6	Bolt	SS304 / SS316
7	Washer	SS304 / SS316
8	Plug	SS304 / SS316
9	O Ring	NBR / EPDM

WRAS approved EDPM rubber upon request.

Nominal Diameter	OUTLINE mm					Flange Dimension (EN1092-2 1 BS4504) PN10			
	Face to face (L)		B	f	H	D	K	G	n*d
DN	BS5153	DIN-F6							
50	203	200	19	3	95	165	125	99	4*19
65	216	240	19	3	100	185	145	118	4*19
80	241	260	19	3	105	200	160	132	8*19
100	292	300	19	3	115	220	180	156	8*19
125	330	350	19	3	145	250	210	184	8*19
150	356	400	19	3	155	285	240	211	8*23
200	495	500	20	3	250	340	295	266	8-Ø23
250	622	600	22	3	300	405	350	319	12*23
300	698	700	24.5	4	330	460	400	370	12*23
350	787	—	26.5	4	—	520	460	429	16*23
400	914	—	28	4	—	580	515	480	16*28
450	965	—	30	4	—	640	565	530	20*28
500	1067	—	31.5	4	—	715	620	582	20*28
600	1219	—	36	5	—	840	725	682	20*31

Nominal Diameter	OUTLINE mm					Flange Dimension (EN1092-2 1 BS4504) PN16			
	Face to face (L)		B	f	H	D	K	G	n*d
DN	BS5153	DIN-F6							
50	203	200	19	3	95	165	125	99	4*19
65	216	240	19	3	100	185	145	118	4*19
80	241	260	19	3	105	200	160	132	8*19
100	292	300	19	3	115	220	180	156	8*19
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350	787	—	26.5	4	—	520	470	429	16*28
400	914	—	28	4	—	580	525	480	16*31
450	965	—	30	4	—	640	585	548	20*31
500	1067	—	31.5	4	—	715	650	609	20*34
600	1219	—	36	5	—	840	770	720	20*37

Swing Check Valve 90 Non-Return Valve



available both metal and resilient seats. Installed in pumping applications to prevent back flow, open and close automatically. It can be used for drinking water, waste water and air flow media. The check valve can be fitted to both vertical and horizontal pipelines. All interior parts are stainless steel or coated with drinking water approved epoxy or EPDM.



Standards

- ✓ **Designed to EN1074-3.**
- ✓ **Face to face length: EN 558 Table 2 Basic Series 48.**
- ✓ **Hydraulic tests according to EN 12266.**
- ✓ **Flange drilling to EN1092-2/BS4504, PN10/16.**
- ✓ **Working Temperature: -10°C to 80°C.**



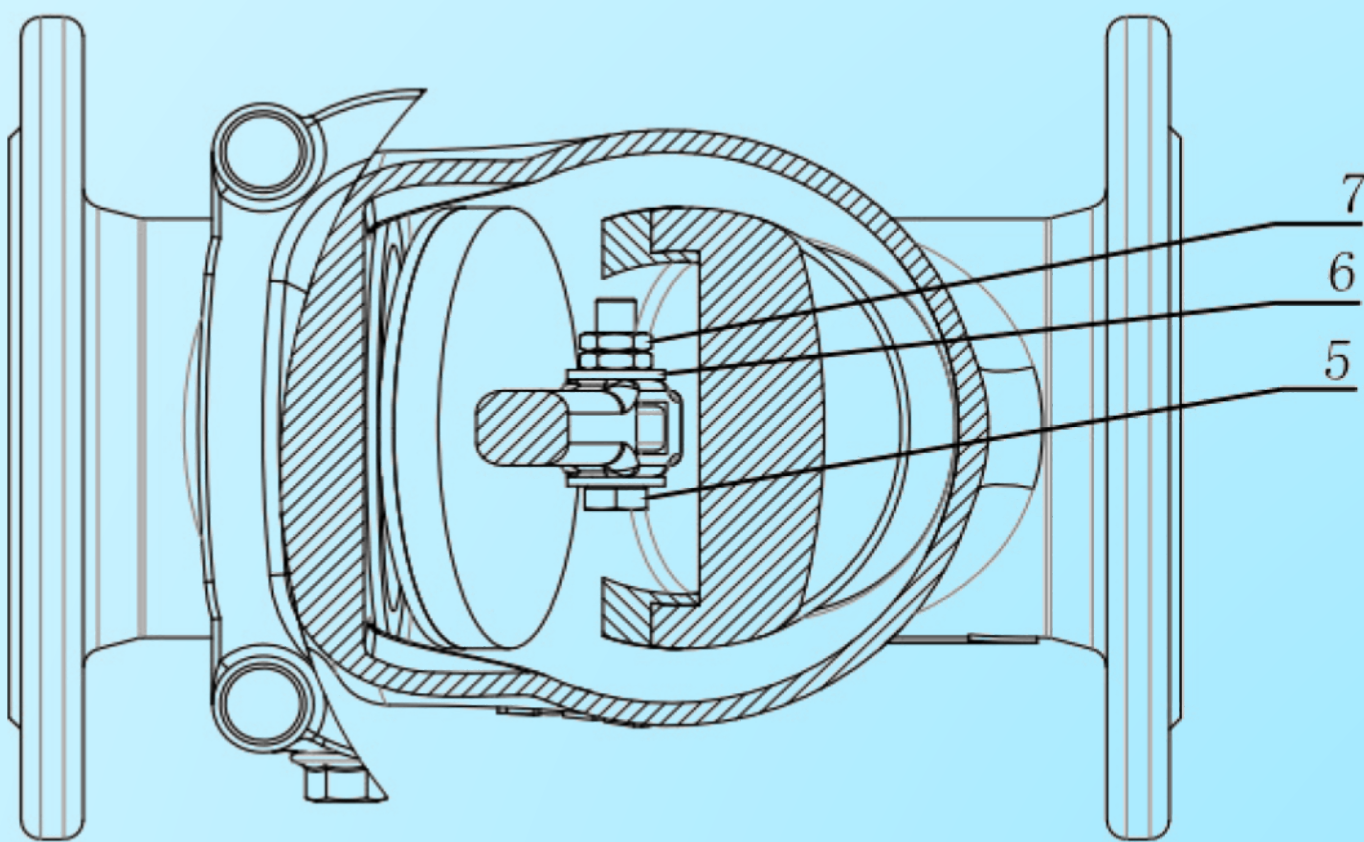
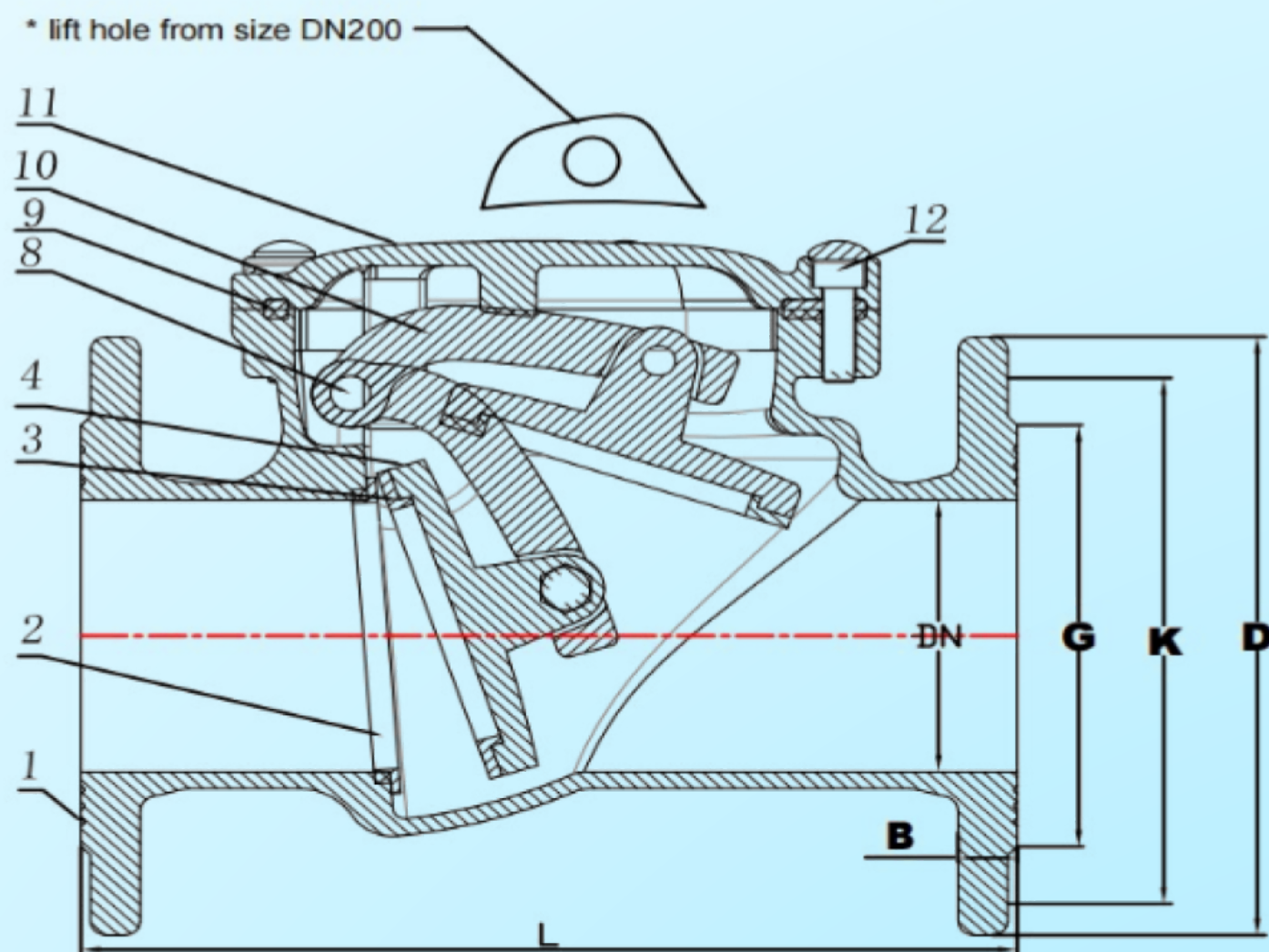
Service Fields

- ✓ **Potable, Neutral liquid and raw water.**
- ✓ **Firefighting systems.**
- ✓ **Irrigation.**
- ✓ **Power plants and process industry.**

MAIN FEATURES

- ✓ Metal seat available materials of Brass, Bronze, Stainless steel.
- ✓ Rubber seat with EPDM rubber coated disc.
- ✓ Removable bonnet for easy maintenance.
- ✓ All seals and coatings contact to the fluid are approved for drinking water.
- ✓ Low headloss, compact design, simply maintenance.
- ✓ Opening on low differential pressure.
- ✓ Bonnet gasket in a groove between bonnet and body to prevent blow-out.
- ✓ 100% testing before packing and delivery.
- ✓ Designed to be installed horizontally.
- ✓ Vertical installation available if with upward flow medium.
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PART LIST & Dimensions



No.	Component	Standard Material
1	Body	Ductile iron GGG50
2	Body Ring	DI coated / Brass / Bronze / SS
3	Seal Ring	EPDM / Brass / Bronze / SS
4	Disc	Ductile iron GGG50
5	Disc fasten Bolt	Stainless steel
6	Gasket	NBR/EPDM
7	Disc Nut	Stainless steel 201
8	Disc Pin	Stainless steel 420
9	Cover Gasket	NBR/EPDM
10	Rocker Arm	Ductile iron GGG50
11	Cover	Ductile iron GGG50
12	Cover Bolt	Carbon steel / Stainless steel

- Type Rubber seat
Disk Ring: EPDM/NBR rubber
Body Ring: Ductile iron with epoxy coated surface
- Type Metal seat
Disk Ring: Brass/Bronze/SS
Body Ring: Brass/Bronze/SS

Nominal DN	OUTLINE mm			Flange Dimension (EN1092-2 / BS4504) PN10			
	Face to face (L)		B	D	K	G	n*d
BS5153	DIN-F6						
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Thank You

 More Information
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