Ball Check Valve
FBCV Series

WALTER MODEL FBCV Ball Check Valve is a simple and reliable valve with the only moving part to block the reverse flow, is a spherical ball. The full-ported valve seat is uniquely designed allowing the ball to seat leak-tight without getting wedge into the valve seat. Ball check valves are typically preferred for use in pumping stations as they are self-cleaning as the ball rotates during the operation and are vertically maintenance-free.





Technical Data	
Size range	DN50-DN600
Pressure range	PN10-16-25 / Class 125/150
Temperature	-10°℃ to +80℃
Design	EN 1074 / EN 16767
Face to face	DIN 3202 F6 / EN558-1 Series 48
Flange drilling	EN 1092-2 / ISO 7005-2 / ANSI B16.1
Coating	Thermoplastic Powder Epoxy
Testing	EN 12266-1
Marking	EN 19
Coating Blue Color	RAL 5005
	RAL 5010
	RAL 5015
	Custom made

Application Range

- Sewage Water Application
- Pump Stations
- Water Supply Systems
- Water treatment and distribution systems
- Power Station Cooling Lines
- Industrial applications

Testing

- Body Strength Test: BS EN 12266-1: 1.5 x PN
- Seat Tightness Test: BS EN 12266-1: 1.1 x PN

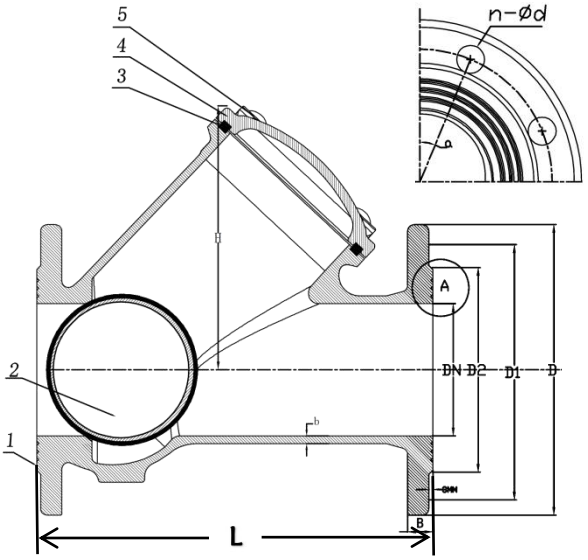
Features

- Full bore ensured. Self cleaning ball. and Low pressure drop.
- Removable bonnet for cleaning or changing the ball with out disassembly out of the pipeline.
- Horizontal and vertical installation in the pipeline.
- Full coating on the body and disc internally & externally for corrosion resistance.
- Hydro-static test pressure for seat: PN x 1.1 , for shell: PN x 1.5 according to EN 12266-1

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Material Specification (DN50-350)

NO.	Part Name	Material
1	Body	Ductile Iron
2	Ball	Ductile Iron + NBR
3	Seal Gasket	NBR
4	Bonnet	Ductile Iron
5	Bolts	C.S / AISI 304



Dimension PN10/16 (mm) (DN50-600)

DN	L	D		D1		D2		B	n-Φd	
		PN10	PN16	PN10	PN16	PN10	PN16		PN10	PN16
50	200	165	165	125	125	99	99	19	4-Φ19	4-Φ19
65	240	185	185	145	145	118	118	19	4-Φ19	4-Φ19
80	260	200	200	160	60	132	132	19	8-Φ19	8-Φ19
100	300	220	220	180	180	156	56	19	8-Φ19	8-Φ19
125	350	250	250	210	210	184	184	19	8-Φ19	8-Φ19
150	400	285	285	240	240	211	211	19	8-Φ23	8-Φ23
200	500	340	340	295	295	266	266	20	8-Φ23	12-23
250	600	405	405	350	355	319	319	22	12-Φ23	12-Φ28
300	700	460	460	400	410	370	370	24.5	12-Φ23	12-Φ28
350	800	520	520	460	470	429	429	26.5	16-Φ23	16-Φ28
400	900	580	580	515	525	480	480	28	16-Φ28	16-Φ31
450	1000	640	640	565	585	530	548	30	20-Φ28	20-Φ31
500	1150	715	715	620	650	582	609	32	20-Φ28	20-Φ34
600	1350	840	840	725	770	682	720	36	20-Φ31	20-Φ37

* Please Contact factory for other size / standard.