

CASTFLOW

BALL CHECK VALVES

CAST
FLOW

THREADED from
DN 25 to DN 80

FLANGED from
DN 40 to DN 500



Key Features

- ✓ Full bore design to minimise restrictions and maximise flow
- ✓ Self cleaning ball and a removable bonnet for ease of servicing
- ✓ Can be positioned horizontally or vertically for versatile installation
- ✓ Constructed from robust high quality materials for a long operating life
- ✓ Low pressure drop and silent operation to suit any application

CastFlow ball check valves offer many benefits to a wide range of industries and applications. Manufactured in Europe to international standards, these valves with their robust design are not only made from excellent quality materials, but are less expensive than similar products available.

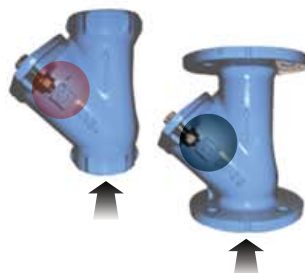
Applications

Applications where CastFlow ball check valves are typically used include domestic and local authority wastewater pumps and pump stations, industrial and commercial wastewater pipeline applications, viscose fluid and solids laden wastewater, as well as clean water installations.

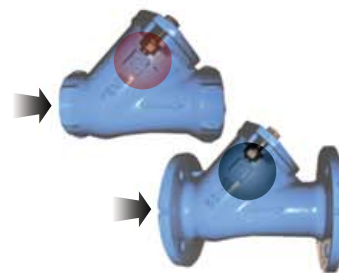
Positioning

CastFlow ball check valves can be mounted in both vertical and horizontal pipelines.

VERTICAL INSTALLATION

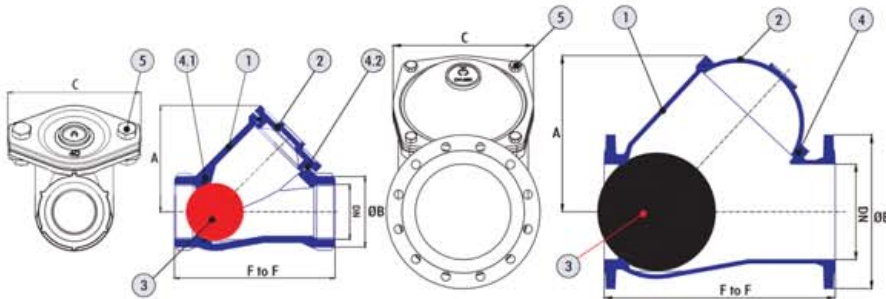


HORIZONTAL INSTALLATION



Technical Data

- ✓ Maximum working pressure up to 10 bar (limits according to material)
- ✓ Operating temperatures from 10 to 70 degrees Celsius
- ✓ Seating to Category A Standard ISO 5208
- ✓ Minimum back pressure for tightness: 0.3 to 0.5 bar
- ✓ Face-to-face dimensions for flanged type to EN-558-1 Series 48 (DIN 3202 F-6)



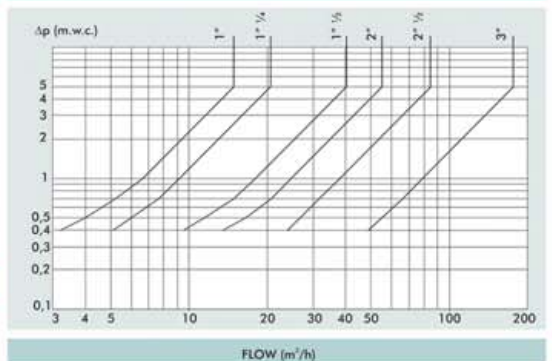
VALVE MEASUREMENTS

PRESSURE DROP CURVES

DIMENSIONS THREADED

THREADED

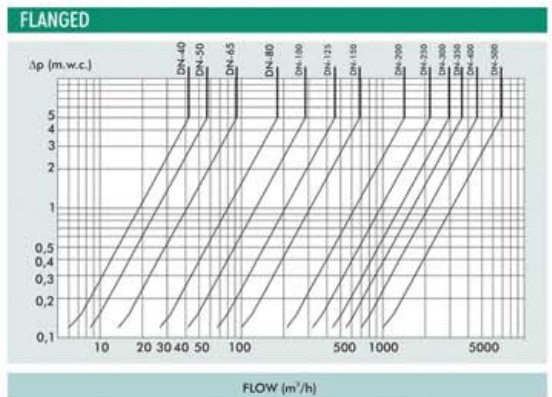
DN	A	ØB	C	F to F	Kv	Weight
mm	mm	mm	mm	mm	m ³ /h	Kg
25	85	57	110	141	21	2,2
32	85	57	110	141	29	2,2
40	90	64	120	150	57	2,8
50	115	77	140	175	78	3,9
65	135	95	155	214	120	6,5
80	160	108	185	248	250	8,1



DIMENSIONS FLANGED

FLANGED

DN	A	ØB	C	F to F	Kv	Peso
mm	mm	mm	mm	mm	m ³ /h	Kg
40	90	150	120	180	60	8,2
50	115	165	140	200	81	9,4
65	135	185	155	240	130	12,5
80	160	200	185	260	255	15,0
100	190	226	220	300	400	20,0
125	222	253	255	350	645	30,0
150	268	285	290	400	970	38,0
200	335	342	370	500	2000	70,0
250	420	403	380	600	3050	125,0
300	495	445	445	700	4150	180,0
350	580	505	520	800	5100	290,0
400	730	565	712	900	6600	420,0
500	900	670	772	1100	9700	580,0



Flange Info

CastFlow ball check valves are drilled to the metric standard PN10. See the below table for a PCD comparison between CastFlow valves and other common flange sizes (**all measurements in mm**).

Valve Size	PN10	BS10 Table E/D	ANSI 125/150
80	160	146.05	152.40
100	180	177.80	190.50
150	240	234.95	241.30
200	295	292.10	298.45
250	350	355.60	361.95
300	400	406.40	431.80
350	460	469.90	476.25
400	515	520.70	539.50
450	565	584.20	577.85
500	To be confirmed		

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