

BALL CHECK VALVE

1 CHARACTERISTICS AND BENEFITS

- Flanged swing check valve for complete and quick closing of the return flow in pipelines
- Simple and compact design
- Easy maintenance – no removal from the pipeline
- Low pressure loss due to fullbore type
- Complete closing even at small pressure difference <0,5 bar
- Horizontal and vertical installation possible
- Area of application at a flow of up to 4 m/s; recommended 0.5–2.5 m/s
- Internal and external Epoxy colour coating in RAL 5005

2 STANDARDS

- Non-return valves manufactured and tested acc. to EN 1074-3 (water supply valves) and 12050-4
- Flanges acc. to EN 1092-2 PN 10/16
- Installation length acc. to EN 558-1, series 48
- Final strength and tightness test acc. to EN 12266-1
- Corrosion protection acc. to EN 14901
- Sealing elements acc. to EN 681

ART. 490 BAVA

DN 50–500
PN 10/16



ON DEMAND

POSSIBLE ADDITIONS

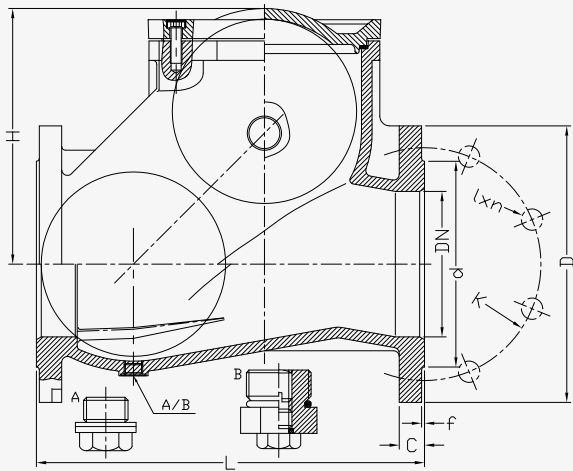
- Drain plug

SPARE PARTS

- Ball
- Bonnet gasket

PN	10	16
Max. operating pressure [bar]	10	16
Max. operating temperature for neutral liquids [°C]	50	50
Shell strength and tightness: test with water; rate A [bar]	15	24
Seat tightness: test with water; rate A [bar]	11	17,6

TECHNICAL DRAWING



DATA

DN	50	65	80	100	125	150	200	250	300	200	250	300	350*	400	500
PN [bar]	16	16	16	16	16	16	16	16	16	10	10	10	10	10	10
L št. 48 [mm]	200	240	260	300	350	400	500	600	700	500	600	700	800	900	1100
H [mm]	113	126	162	194	214	260	320	365	427	320	365	427	427	537	650
d [mm]	102	122	138	158	188	212	268	319	370	268	319	370	429	480	582
D [mm]	165	185	200	220	250	285	340	405	460	340	405	460	520	580	670
K [mm]	125	145	160	180	210	240	295	355	410	295	350	400	460	515	620
I [mm]	19	19	19	19	19	23	23	28	28	23	23	23	23	28	28
C [mm]	19	19	19	19	19	19	20	22	25	20	22	25	27	28	32
f [mm]	3	3	3	3	3	3	3	3	4	3	3	4	4	4	4
n -	4	4	8	8	8	8	12	12	12	8	12	12	16	16	20
Weight approx. [kg]	8	13	17	24	34	52	83	136	229	83	136	229	260	395	560

* reduced bore

MATERIALS

	BASIC VERSION
	NBR for waste water
Body	EN GJS-400-15 (GGG-40)
Bonnet	EN GJS-400-15 (GGG-40)
Bonnet gasket	NBR
Ball	EN GJS-400-15/NBR
Bonnet bolts	Galvanized steel Fe/Zn5
Epoxy powder coating	Min. 250 µm