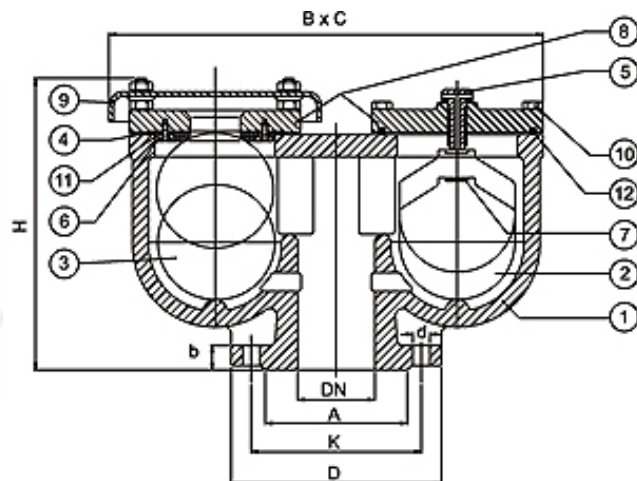
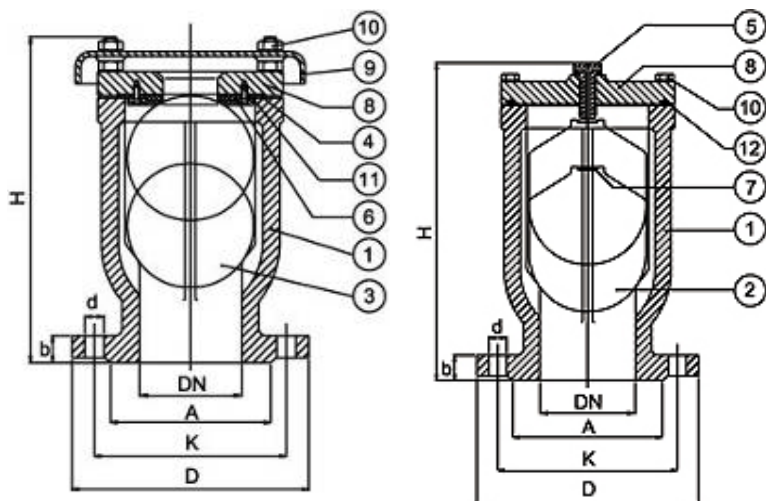




1	Body	Gray Cast Iron
2	Float	Polyethylene
3	Ball	Polyethylene
4	Orifice	NBR
5	Orifice	Brass
6	Orifice Support	Brass
7	Orifice Seal	NBR
8	Cap	Gray Cast Iron
9	Cover	Gray Cast Iron
10	Bolt & Nut	Galvanized Steel
11	Bolt	Galvanized Steel
12	O'ring	NBR



Material Group	Material Number	Code Number	Matyerial Standards
Gray Cast Iron	0.6025	GG25	DIN 1691 or ISO 185
Brass	CuZn 39 Pb3	-	
Polyethylene	-	-	DIN 16779
Rubber	-	NBR	DIN 53538 or ISO 4658

CAST IRON AIR VALVES

Application:

- Venting during emptying the pipe:
A differential pressure is produced between the lower pressure inside the pipe and the higher outside pressure (atmospheric pressure). To avoid pipe indentations venting is necessary.



- Air release when filling the pipe:
During filling the pipe air is being released through the large bore. The closing device and the float in this case are not being pressed into the seat. Initial air velocity between 150-200 m/s is recommendable. However maximum velocity upto sound velocity = 333 m/s is possible without any problems.
During final phase of filling procedure the water level rises inside the air valve. Consequently float is moving by buoyancy to closed position. Proper use of an air valve permits risk-free performance of all operations on a water pipe including:
- Filling the pipe.
- Emptying the pipe.
- Removing gas or bubbles from the pipe.

	DN		D	K	A	b	H	d	Bolts	Weight (kg)	B	C
	in	mm										
Single Chamber Air Valves (Small bore)	1	25	115	85	68	16	200	14	4 * M12	15	-	-
	2	50	165	125	102	20	225	18	4 * M16	21	-	-
	3	80	200	160	138	22	255	18	8 * M12	25	-	-
	4	100	220	180	158	24	290	18	8 * M16	37	-	-
Single Chamber Air Valves (Large bore)	2	50	165	125	102	20	245	18	4 * M16	17	-	-
	3	80	200	160	138	22	275	18	8 * M16	26	-	-
	4	100	220	180	158	24	325	18	8 * M16	32	-	-
	6	150	285	240	212	26	420	22	8 * M20	44	-	-
	8	200	340	295	268	30	517	22	12 * M20	56	-	-
Double Chamber Air Valves	2	50	165	125	102	20	250	18	4 * M16	24	324	172
	3	80	200	160	138	22	280	18	8 * M16	43	415	202
	4	100	220	180	158	24	355	18	8 * M16	51	470	232
	6	150	285	240	212	26	440	22	8 * M20	122	540	290
	8	200	340	295	268	30	545	22	12 * M20	185	625	355

Flange mating dimensions: DIN 3202

Hydrostatic pressure test: DIN 3230 or ISO 5208

Working pressure: PN 16

Body pressure test: 25 bar

Sealing pressure test: 16 bar