

ÖZKAN Dynamic Air Release Valve

Technical Guide W4.35

Designed to handle high flow rates with combination large and small orifice functions, non slam closure and excellent corrosion resistance.



Applications

Irrigation pipelines

Potable water pipelines

Vacuum control

Product Attributes

Dynamic air release

Large and small orifice

Non slam closure

High capacity

Approvals/Standards

Testing to EN1074-6

Flanges to EN1092-2, AS4087, and AS2129

Quality

ISO 9001 and ISO 14001

OHSAS 18001

We are the supply partner of choice for New Zealand's civil construction industry, specialising in water and infrastructure based solutions.

Dynamic Air Release Valve are designed to handle high flow rates with combination large and small orifice functions, non slam closure and excellent corrosion resistance.

Product Attributes

- Dynamic combination air release valve
- Large orifice for emptying and filling pipes
- Small orifice for air release under pressure
- Non slam closure through two stage closure and design
- High capacity inlet sectional area and outlet are equal area
- Single chamber design
- Available for pressure ratings PN10, PN16, PN25 and PN40

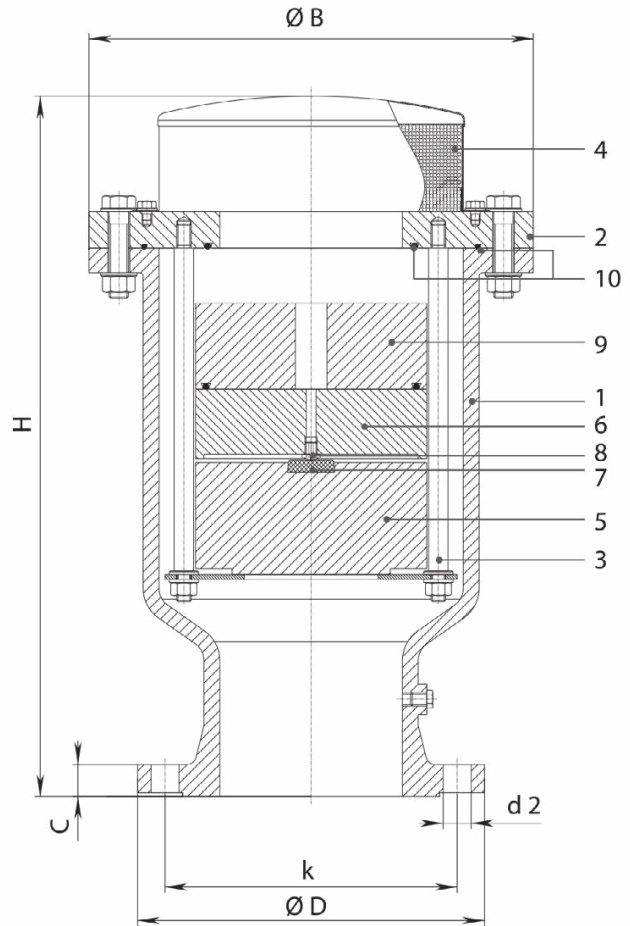


FIG. 1

TABLE 1

Part No	Description	Material
1	Body	Ductile cast Iron EN-GJS-400-15
2	Cover	Stainless steel X5CrNi 18-10
3	Float Guide	Stainless steel X5CrNi 18-10
4	Top Cover	Stainless steel X5CrNi 18-10
5	Float	HDPE
6	Float	HDPE
7	Small orifice seal	EPDM
8	Small orifice	Stainless steel X5CrNi 18-10
9	Float	HDPE
10	O-ring	EPDM

TABLE 2 PN-10

DN	Ø D	k	C	Bolts		Ø B	H	Weight (kg)
				Quantity	d 2			
50	165	125	19	4	19	200	355	20
65	185	145	19	4	19	225	404	20
80	200	160	19	8	19	240	420	26
100	220	180	19	8	19	255	420	28
125	250	210	19	8	19	255	410	28
150	285	240	19	8	23	365	580	90
200	340	295	20	8	23	410	680	98
250	405	350	22	12	23	540	820	160
300	445	400	24,5	12	23	650	930	310

TABLE 3 PN-16

DN	Ø D	k	C	Bolts		Ø B	H	Weight (kg)
				Quantity	d 2			
50	165	125	19	4	19	200	355	20
65	185	145	19	4	19	225	404	20
80	200	160	19	8	19	240	420	26
100	220	180	19	8	19	255	420	28
125	250	210	19	8	19	255	410	28
150	285	240	19	8	23	365	580	90
200	340	295	20	8	23	410	680	98
250	405	350	22	12	28	540	820	160
300	460	410	24,5	12	28	650	930	310

TABLE 4 PN-25

DN	Ø D	k	C	Bolts		Ø B	H	Weight (kg)
				Quantity	d 2			
50	165	125	19	4	19	200	355	22
65	185	145	19	4	19	225	404	22
80	200	160	19	8	19	240	420	28
100	235	190	19	8	23	255	420	30
150	300	250	20	8	28	365	580	95
200	360	310	22	12	28	410	680	105
250	425	370	24,5	12	31	540	820	170
300	485	430	27,5	16	31	650	930	–

TABLE 5 PN-40

DN	Ø D	k	C	Bolts		Ø B	H	Weight (kg)
				Quantity	d 2			
50	165	125	19	4	19	200	355	22
65	185	145	19	4	19	225	404	22
80	200	160	19	8	19	240	420	28
100	235	190	19	8	23	255	420	30
150	300	250	26	8	28	365	580	95
200	375	320	30	12	31	410	680	105

TABLE 6 Recommended Air Release Valve Sizes According To The Pipeline Diameter*

PIPE DIA. MM	80-250	300-400	450-600	700-900	1000-1200	11400-1600	1000-2000
ARV SIZE DN	50	80	100	150	200	250	300

Note: Guide only. Consult engineering design. Flow curves available on request.

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