

Welcome to iValve, a professional manufacturer for water control system

 English

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Plastic Air Valve



iValve Tech.(Tongling)co.,Ltd.

No. 97 Jinqiao Avenue, Yi'an District Economic Development Zone,
Tongling City, Anhui Province, P.R.China. www.ivalveflow.com

Air Release Valve

AIR VALVE



With advanced aerodynamic design, AIR VALVES provide a sound solution for air intake and exhaust during the filtration and water supplying. The air valves balance the air intake and exhaust to ensure the pipes are sealed closely in low pressure. AIR VALVES offers the most reliable solution to overcome all challenges that may occur on a pipeline

for a long lasting operational system and most efficient water network, they are widely used in the agriculture and municipal irrigation and industrial water recycling system.

PROJECT CASE



Illustrations, technical data, dimensions (all dimensions in mm) and weights (all weights in kg) are subject to alteration without notice.

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Air Release Valve

KINETIC VALVES

KINETIC VALVES

A-type kinetic valve can open the inlet valve quickly when a negative vacuum pressure is generated inside the system or pipeline, and a large amount of inlet air destroys the negative vacuum pressure formed inside the system or pipeline, the inlet valve is sealed under water pressure.

 FEATURE & ADVANTAGE

- ✓ Big size air inlet allowing large flow;
- ✓ PA and PP material with corrosion, acid and alkaline resistant features;
- ✓ Compact structure & simple design & durability;
- ✓ Easy installation.

HOW IT WORKS

When filtration system is under pressure:

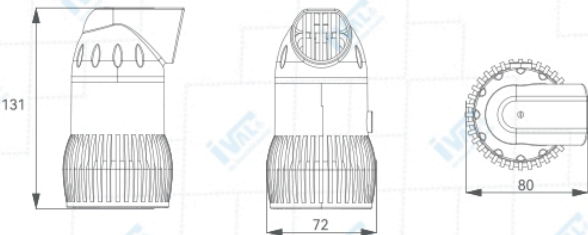
When the filtration system works under pressure, air will be gathered at the bottom of chamber, then the float will move up to seal the inlet.

When filtration system is in empty status:

When the system or pipe is drained empty, negative pressure will be formed in the air valve. Meanwhile the float moves down to take in air against vacuum formation.



DIMENSION



Insect screen

Dynamic sealing

Float

Stopper disc



MODEL	CONNECTION SIZES	CONNECTIONS	ORIFICE SIZE (mm ²)	WORKING PRESSURE (bar)	DIMENSION (mm)	WEIGHTS (g)
A20	2"	BSPT/NPT	858	0.2-16	131x72x80	185

Air Release Valve

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Air Release Valve

K-type KINETIC VALVES

K TYPE VACUUM VALVES

K-type kinetic valves are applicable to all kinds of irrigation systems. It evacuates air quickly during pipeline filling and takes in large volume air while draining. Adopted its advanced aerodynamic design and kinetic orifice, this valve provides excellent protection against vacuum formation and large volume air existing, with improved sealing under low pressure conditions.



TYPICAL APPLICATION

K type kinetic valves can prevent the air from accumulating or eliminate negative pressure applying in filtration pipelines, water supply system, nearby water meter & control valve and pipelines for residential area and industrial field.



FEATURE & ADVANTAGE

- ✓ Advanced aerodynamic design;
- ✓ One-piece floating ball design ensures ontime shutting of outlet while the high speed airflow occurs;
- ✓ Big inlet size allowing large flow;
- ✓ Quality sealing prevents leakage under low pressure conditions (0.2 bar/2.9 psi);
- ✓ PA and PP material with corrosion, acid and alkaline resistant features and durable;
- ✓ Multi-installation sizes for various market demands.

HOW IT WORKS

When filtration system is filling:

During filling water into the pipeline, massive air will be evacuated from kinetic air intake & exhaust hole. The floating ball moves upwards to close the orifice after water flows into the chamber. With aerodynamic design and the anti-blow design, the floating ball ensures shutting of outlet on the right time while the high speed air flow occurs.

When filtration system is under pressure:

The kinetic valve keeps closing.

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Air Release Valve

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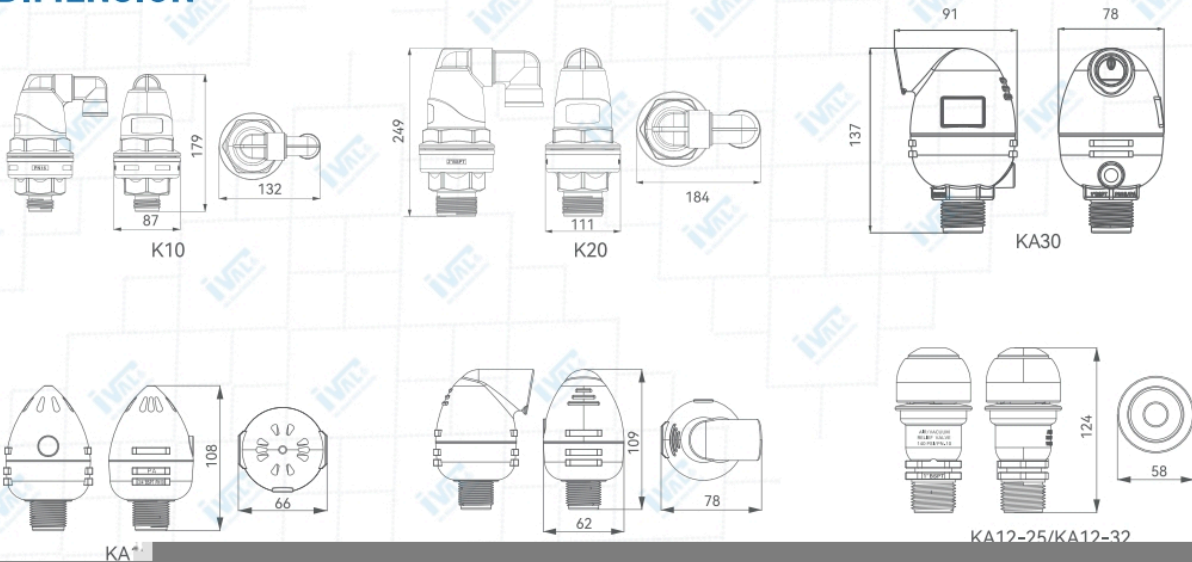
Air Release Valve
K-type KINETIC VALVES



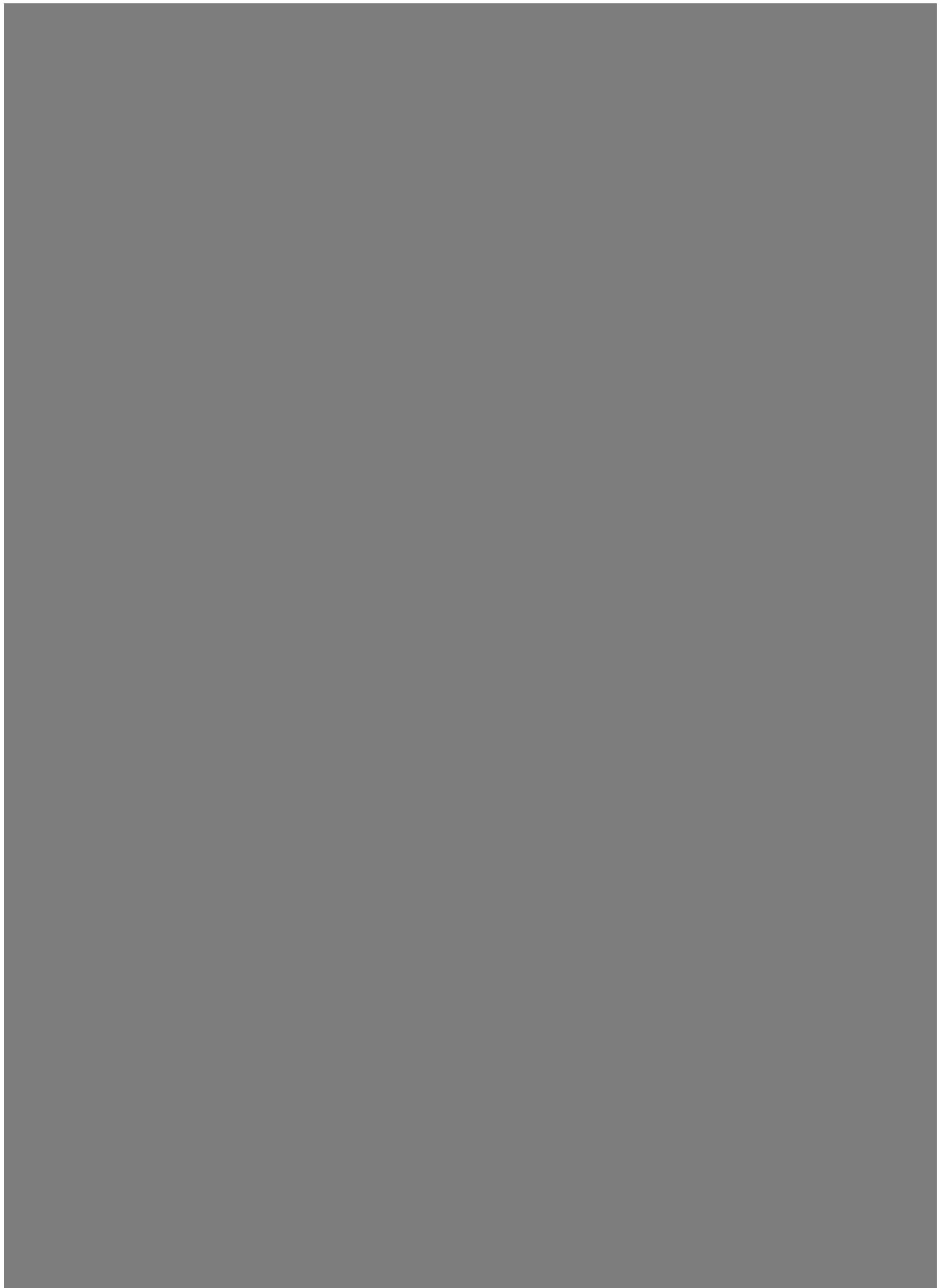
SPECIFICATION

MODEL	CONNECTION SIZES	CONNECTIONS	ORIFICE SIZE (mm ²)	WORKING PRESSURE (bar)	DIMENSION (mm)	WEIGHTS (g)
KA10-25	3/4"	BSPT/NPT	288	0.2-16	108x66x63	185
KA10-32	1"	BSPT/NPT	288	0.2-16	108x66x63	185
KA11-25	3/4"	BSPT/NPT	288	0.2-16	109x78x66	185
KA11-32	1"	BSPT/NPT	288	0.2-16	109x78x66	185
KA12-25	3/4"	BSPT/NPT	288	0.2-16	124x58x58	95
KA12-32	1"	BSPT/NPT	288	0.2-16	124x58x58	95
KA30-25	3/4"	BSPT/NPT	14	0.2-16	137x91x78	475
KA30-32	1"	BSPT/NPT	14	0.2-16	137x91x78	475
K10	1"	BSPT/NPT	314	0.2-16	179x132x87	470
K20	2"	BSPT/NPT	908	0.2-16	249x184x111	1052

DIMENSION









With over 15 years rich experience in the valves designing, manufacturing, marketing and exporting.

LOCATION

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