



Type YAC-3 Air Vent Valve

This is a compact air vent valve that is used for pipelines, hot water boilers, fan coils, and small- to medium-sized pressure tanks. The adoption of the BBC (Bubble Crush) method ensures safe operation and prevents water hammers, hunching, etc.



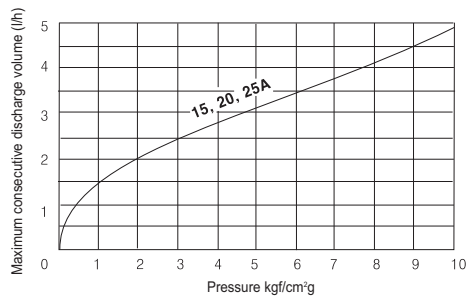
■ Features

- Bubble Crush(BBC) structure prevent Water Hammers & chattering caused by float in special form distributes rising pressure & bubbles.
- Reliable operation is ensured by spring's force seat closing.
- Simple & strong structure.
- Compact & outstanding air discharge performance.
- Manual closing device installed on outlet side.
- Manufacture as air vent valve for steam.

■ Specifications

Size		15(1/2"), 20(3/4"), 25(1")
Applicable fluid		Cold / hot water
Applicable pressure		Maximum 10kgf/cm ² g
Fluid temperature		5~100° C
End connection		KS PT SCREW
Materials	Body	C3771
	Disc, seat	NBR, C3604
Hydraulic test pressure		15kgf/cm ² g

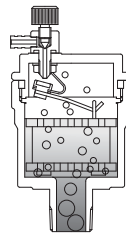
■ Air discharge volume curve



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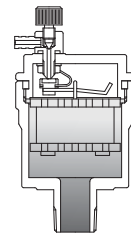
When discharging air

It discharges air that comes in when the seat is opened by the float's own weight.

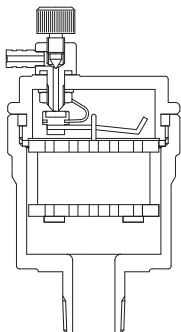


When discharge stops

If the water level and float rises immediately after air discharge, the valve closes by the float's buoyancy and spring's elasticity.



■ Dimensional drawing



■ Installation example and cautions during handling

- When installing the valve in a pipeline, install it within 5° of a vertical line.
- When installing the valve indoors, connect the outlet side to the drainage just in case there is leakage.
- Install a manual valve on the inlet side for repair and inspections.
- Close the manual closing cock if there is a leakage.

