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YAC-3 Type Air Vent

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

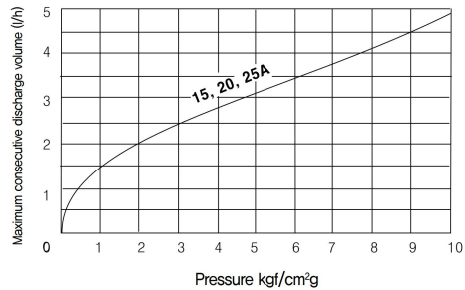
- Bubble Crush(BBC) structure prevent Water Hammers & chattering caused by float in special form distributes rising pressure & bubbles.
- Reliable operation is ensured by spring's force seat closing.
- Simple & strong structure.
- Compact & outstanding air discharge performance.
- Manual closing device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

Specifications

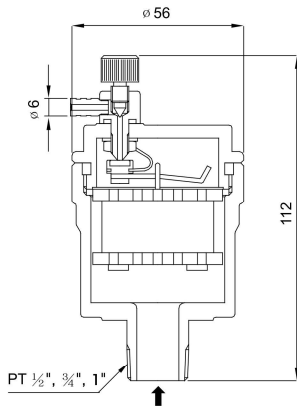
Type	YAC-3	
Size	15(1/2"), 20(3/4"), 25(1")	
Applicable fluid	Cold / hot water	
Applicable pressure	Maximum 1.0MPa	
Fluid temperature	5~100°C	
End connection	KS PT SCREW	
Materials	Body	C3771
	Disc, seat	NBR, C3604
Hydraulic test pressure		1.5MPa

▶ Install a strainer (80 MESH or more) on the leaflet during installation of the valve.

Air discharge volume curve

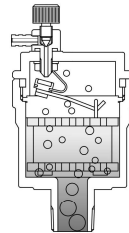


Dimensions drawing

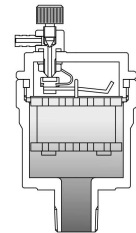


Air discharge volume curve

- 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.



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 outletside 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.

