

AF-9, 10 Type Series Air Vent Valve

Made of stainless steel, 0.3, 1.0MPa

 for **Building Equipments, Factory Equipments, Absorption Side of Pump or Sealed Circuit (AF-9)**, etc.

Corrosion resistant with stainless steel body and strainer embedded, AF-10 Type series are durable air vent valves that can absorb and vent air.

AF-9 Type series have check valve embedded and are designed to prevent air from being absorbed into the valve even when there is negative pressure at the inlet side of air vent valve. Therefore, they are ideal for applications at air absorbing side of pump or sealed circuit of ventilation system where only ventilation is required, but not air absorption.

FEATURES

- Embedded strainer allows easy design and installation.
- Corrosion resistant, durable body made of stainless steel.
- The air vent can rotate for 360°, allows easy installation.
- With manual stopping device.
- Does not absorb air even when there is negative pressure; suitable for the air absorbing side of pump (AF-9 Type series)

SPECIFICATIONS

		With no-air suction device					
Model name		AF-9	AF-9H	AF-9L	AF-9HL	AF-10	AF-10H
Code name & Type	JIS Rc $\frac{3}{8}$ "	AF9-D	AF9H-D	AF9-DL	AF9H-DL	AF10-D	AF10H-D
	Union joint	AF9-DU	AF9H-DU	AF9-DLU	AF9H-DLU	AF10-DU	AF10H-DU
	Tube joint	AF9-DT	-	AF9-DLT	-	AF10-DT	-
Size	15 · 20 · 25($\frac{1}{2}$ " · $\frac{3}{4}$ " · 1")						
Applicable pressure	Max. 1.0MPa		Max. 0.3MPa		Max. 1.0MPa		
Fluid temperature	5~90°C	5~150°C	5~90°C	5~150°C	5~90°C	5~150°C	
Applicable fluid	Water & hot water					Water, hot water & oil(S.G.:0.8 or over *)	
End connection	Inlet:Screwed JIS R, Outlet:Screwed JIS Rc $\frac{3}{8}$ "						
Materials	Body(Stainless steel), Disc(Synthetic rubber), Float(Stainless steel)						
Valve body pressure test	Hydraulic 1.75MPa						
Accessories	Manual shut off knob, Strainer, Check valve					Manual shut off knob, Strainer	

* For products applicable to specific gravity 0.7~0.8, please contact our agent in your area.

CONSTRUCTION (Unit:mm)



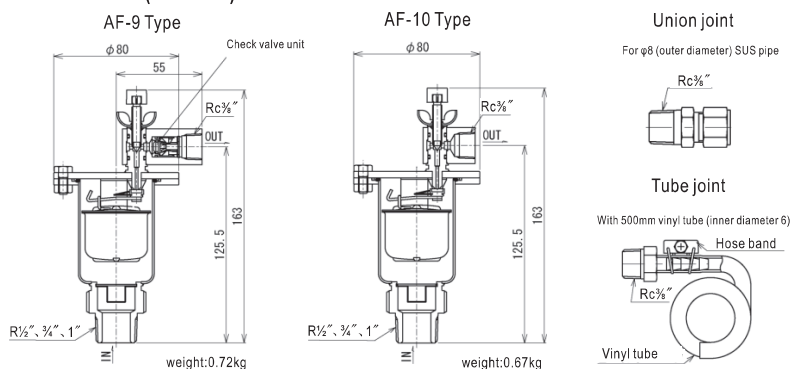
AF-9 Type

AF-10 Type

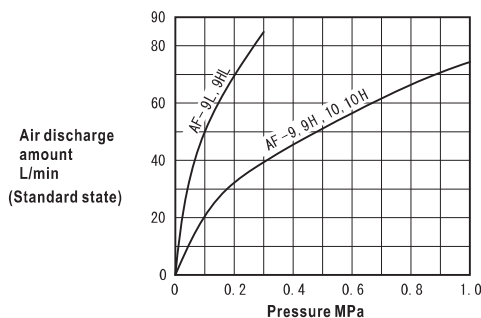


w/union joint

w/tube joint



AIR DISCHARGE CHART (Size 15~25mm)



Points for installation

- Install the product vertically to pipe (deviation of verticality: 5°).
- Before installation, remove all foreign matters in pipe and equipment.
- Install stop valve at the inlet side to allow water supply to be stopped before maintenance works. Use sluice valve or ball valve that can be switched between water and air, or a ball valve.
- In the case of indoor installation, extend the valve with pipe to drain ditch. The end of such pipe for discharge should not be submerged into water.
- When water leakage occurs, loosen the nut and rotate the switch. The leakage will be stopped.
- Apply thermal insulation on air vent valve if there is risk of freezing.

PIPING EXAMPLE

