AUTOMATIC AIR VENT
Model: VC (Automatic Air Vent For Water Systems)

Features

Float-type mechanical valve for venting air automatically from water piping systems at start-up and during operation for moderate to hot water.

1. Combination of float and valve seat with rubber contact provides automatic discharge and assures seal tightness when vent is closed.
2. Only one moving part, the float, eliminates concentrated wear and provides long maintenance-free service life.
3. Facilitates drainage of the system by introducing air when the system has to be drained.
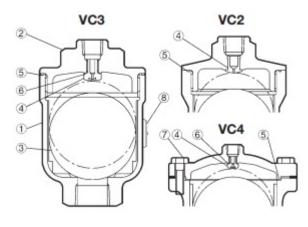4. Dual function as air vent and vacuum breaker.

Specifications

Model		VC2	VC3	VC4
Body Material		Bronze	Cast Iron	
Connection		Screwed		
Size (mm)	Inlet	15	25	
	Outlet	10		
Max. Operating Press. (MPaG) PMO		0.5	0.6	1.0
Max. Differential Press. (MPa) ∆PMX		0.5	0.6	1.0
Min. Operating Press. (MPaG)		0.05	0.1	
Max. Operating Temp. (˚C) TMO		90		

PRESSURE SHELL DESIGN CONDITIONS (NOT OPERATING CONDITIONS): 1MPa = 10.197 kg/cm²

Maximum Allowable Pressure (MPaG) PMA: 0.5 (VC2), 0.6(VC3), 1.0 (VC4)

Maximum Allowable Temperature (˚C) TMA: 185 (VC2), 220(VC3), 150(VC4)

CAUTION : To avoid abnormal operation, accidents of serious injury, Do Not use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.

No.	Description	Materials	JIS	ASTM/AISI*
1	Body	Bronze (VC2)	CAC406	B584 C83600
		Cast Iron (VC3, VC4)	FC250	A126 Cl. B
2	Cover	Bronze (VC2)	CAC406	B584 C83600
		Cast Iron (VC3, VC4)	FC250	A126 Cl. B
3	Float	Stainless Steel	SUS316L	AISI316L
4	Valve Seat	Nitrile Rubber (VC2)	NBR	NBR
		Stainless Steel/ Nitrile Rubber (VC3, VC4)	SUS303/ NBR	AISI303/ NBR
5	Cover Gasket	Fluorine Resin	PTFE	PTFE
6	Valve Seat Gasket	Fluorine Resin	PTFE	PTFE
7	Cover Bolt	Carbon Steel	SS400	A283 Gr.C

*Equivalent

Dimensions

VC Screwed* (mm)

Model	Size		L	W	Weight (kg)
	Inlet	Outlet			
VC2	15		98	66	0.7
VC3	25	10	131	88	1.8
VC4			190	160(180)**	7.4

*Rc(PT), other standards available

**Face-to-Face (diagonal)