



# AUTOMATIC AIR VENT

## MODEL VC

### AUTOMATIC AIR VENT FOR WATER SYSTEMS

#### Benefits

**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	VC4
Body Material		Bronze	Cast Iron
Connection		Screwed	
Size (in)	Inlet	1/2	1
	Outlet	3/8	
Maximum Operating Pressure (psig)	PMO	75	150
Maximum Differential Pressure (psi)	ΔPMX	75	150
Minimum Operating Pressure (psig)		7	15
Maximum Operating Temperature (°F)	TMO	194	
Maximum Allowable Pressure (psig)	PMA	75	150
Maximum Allowable Temperature (°F)	TMA	365	302

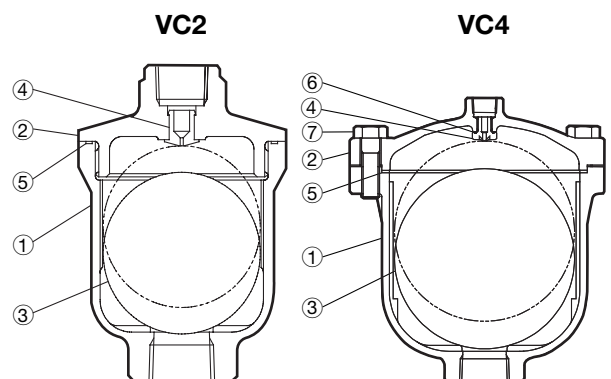
VC2 and VC4 are non-standard products, consult TLV for delivery time required.



To avoid abnormal operation, accidents or 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	Material	ASTM/AISI*	JIS
①	Body	Bronze (VC2)	B584 C92200	CAC407
		Cast Iron (VC4)	A126 Cl.B	FC250
②	Cover	Bronze (VC2)	B584 C92200	CAC407
		Cast Iron (VC4)	A126 Cl.B	FC250
③	Float	Stainless Steel	AISI316L	SUS316L
④	Valve Seat	Nitrile Rubber (VC2)	D2000BF	NBR
		Stainless Steel/ Nitrile Rubber (VC4)	AISI303/ D2000BF	SUS303/ NBR
⑤	Cover Gasket	Fluorine Resin (VC2)	PTFE	PTFE
		Fiber-Rubber Compound (VC4)	—	—
⑥	Valve Seat Gasket	Fluorine Resin	PTFE	PTFE
⑦	Cover Bolt	Carbon Steel	A6	SS400

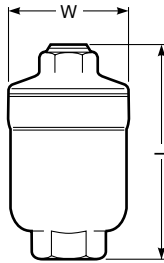
\* Equivalent



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**Dimensions**

● **VC2** Screwed



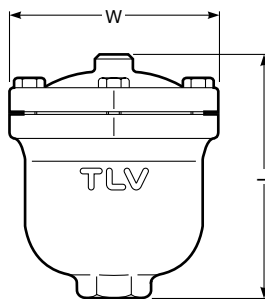
**VC Screwed\*** (in)

Model	Size		L	W	Weight (lb)
	Inlet	Outlet			
VC2	1/2	3/8	3 7/8	2 5/8	1.3
VC4	1		7 1/2	6 5/16 (7 1/16)**	16

\* NPT, other standards available

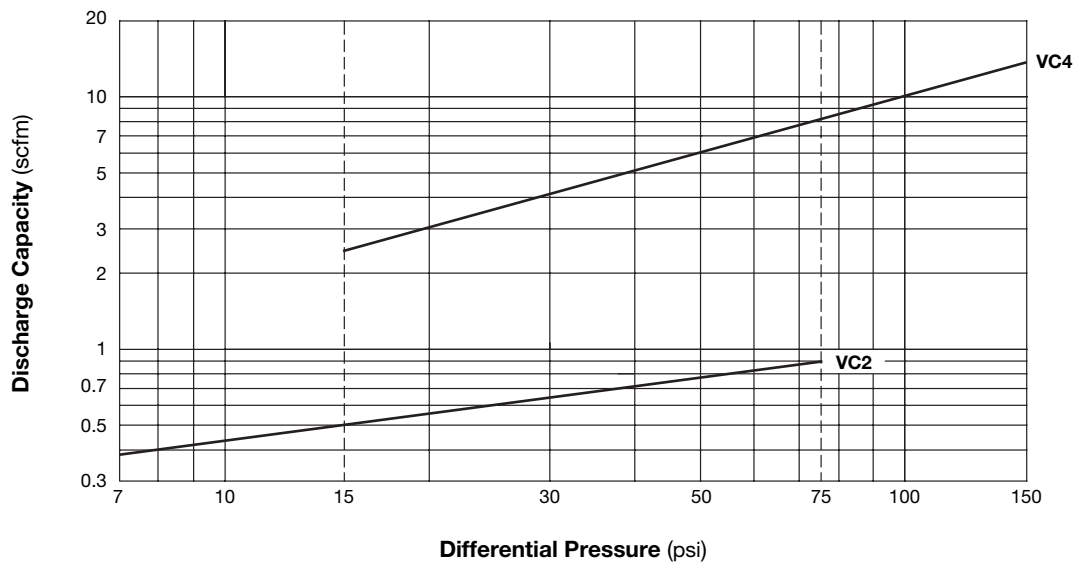
\*\* Face-to-face (diagonal)

● **VC4** Screwed



Note for VC2: For the inlet connection, use a 1/2" schedule 40 pipe/fitting, etc. with an inner diameter of at least 3/8", as a smaller pipe may prevent water/air displacement

**Discharge Capacity**



1. Differential pressure is the difference between the inlet and outlet pressure of the air vent.
2. Capacities are equivalent capacities of standard air (at 68 °F under atmospheric pressure).



**CAUTION** Air vents used under conditions which exceed maximum differential pressure will fail closed.

**TLV CORPORATION**

13901 South Lakes Drive, Charlotte, NC 28273-6790  
 Phone: 704-597-9070 Fax: 704-583-1610  
 E-mail: [tlv@tlvengineering.com](mailto:tlv@tlvengineering.com)  
 For Technical Service 1-800 "TLV TRAP"



Manufacturer

**TLV**® CO., LTD.

Kakogawa, Japan

is approved by LRQA Ltd. to ISO 9001/14001

ISO 9001/ISO 14001

