



RAPID INITIAL AIR VENT

MODEL VAS CAST IRON

RAPID INITIAL AIR VENT FOR WATER SYSTEMS

Features

Float-type mechanical valve for rapidly venting air from water piping systems at start-up.

1. Large orifice can vent large volumes of initial air for quick system start-up.
2. Combination of precision-ground float and valve seat with rubber contact assures seal tightness when vent is closed.
3. Only one moving part, the free float, prevents concentrated wear and provides long maintenance-free service life.
4. Facilitates drainage of the system by introducing air when the system has to be drained.
5. Dual function as a rapid initial air vent and a vacuum breaker.



Specifications

Model		VAS
Connection		Screwed
Size	Inlet	3/4"
	Outlet	1/2"
Maximum Operating Pressure (barg)	PMO	10
Minimum Operating Pressure (barg)		0.1
Maximum Operating Temperature (°C)	TMO	100
Applicable Fluids*		Water

*Do not use for toxic, flammable or otherwise hazardous fluids.

1 bar = 0.1 MPa

PRESSURE SHELL DESIGN CONDITIONS (**NOT** OPERATING CONDITIONS):

Maximum Allowable Pressure (barg) PMA: 13

Maximum Allowable Temperature (°C) TMA: 100

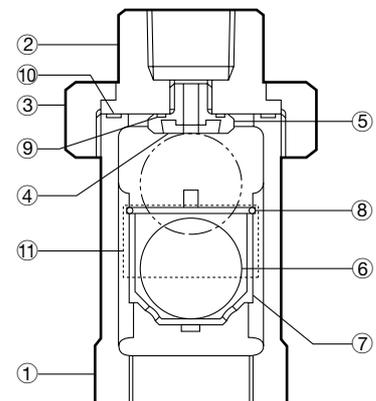


CAUTION

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.

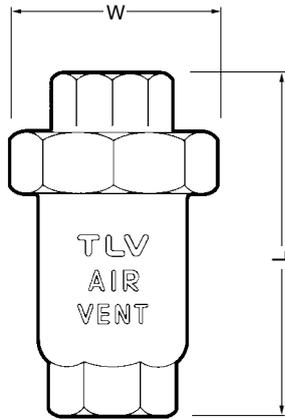
No.	Description	Material	DIN*	ASTM/AISI*
①	Body	Cast Iron FC250	0.6025	A126 Cl.B
②	Union	Cast Iron FC250	0.6025	A126 Cl.B
③	Cap Nut	Cast Iron FC250	0.6025	A126 Cl.B
④	Valve Seat	Nitrile Rubber NBR	NBR	D2000BF
⑤	Valve Seat Holder	Stainless Steel SUS303	1.4305	AISI303
⑥	Float	Stainless Steel SUS316L	1.4404	AISI316L
⑦	Float Guide	Polypropylene PP	PP	PP
⑧	Snap Ring	Stainless Steel SUS304	1.4301	AISI304
⑨	Valve Seat Gasket	Fluorine Resin PTFE	PTFE	PTFE
⑩	Union Gasket	Nitrile Rubber NBR	NBR	D2000BF
⑪	Nameplate	Stainless Steel SUS304	1.4301	AISI304

* Equivalent materials



Dimensions

● VAS Screwed



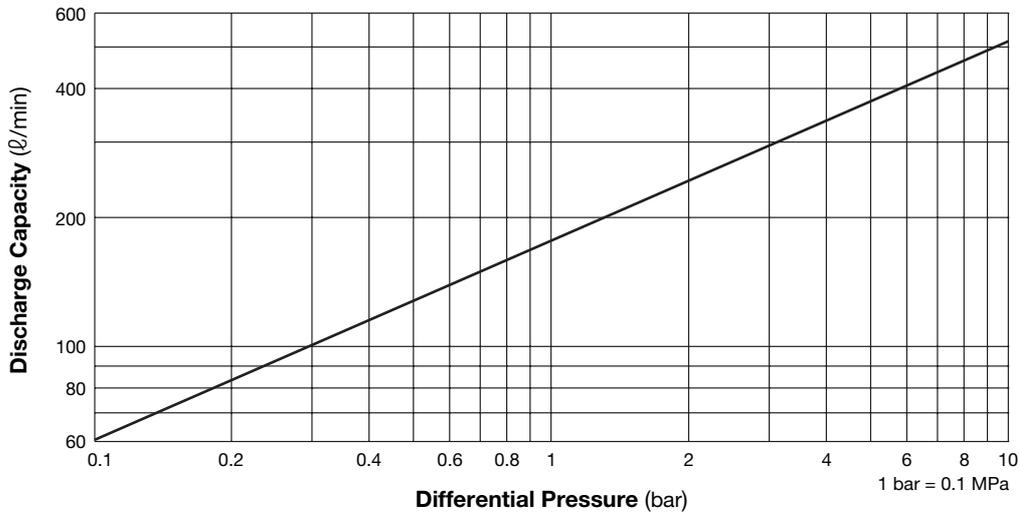
VAS Screwed* (mm)

Size		L	W**	Weight (kg)
Inlet	Outlet			
3/4"	1/2"	97	55 (59.5)	0.6

* BSP, DIN 2999, other standards available

** Face-to-face (diagonal)

Discharge Capacity



1. Differential pressure is the difference between the inlet and outlet pressure of the air vent.
2. Capacities are equivalent capacities of air at 20°C under atmospheric pressure.



CAUTION

Once the valve closes after discharging initial air, it will not open again, even if air accumulates inside the product, until the internal pressure drops to near atmospheric pressure.

Manufacturer

TLV® CO., LTD.
Kakogawa, Japan

is approved by LRQA Ltd. to ISO 9001/14001

ISO 9001/ISO 14001

