



# 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 for moderate to hot water.**

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, eliminates 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

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

1 bar = 0.1 MPa

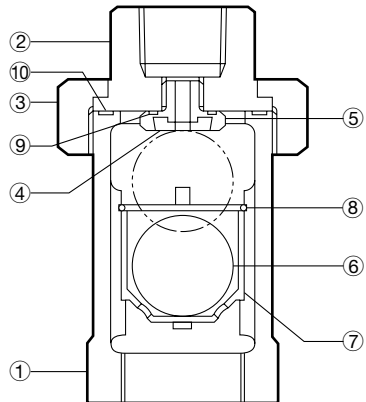
Maximum Allowable Pressure (barg) PMA: 13  
Maximum Allowable Temperature (°C) TMA: 100



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.

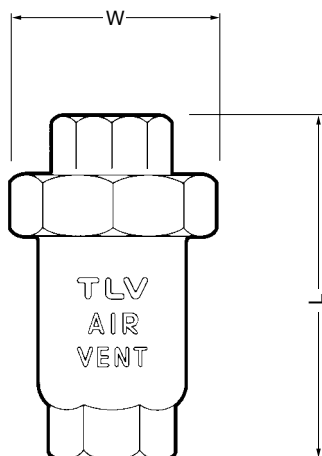
No.	Description	Material*	DIN	ASTM/AISI
①	Body	Cast Iron FC250	0.6025	A126 Cl. B
②	Union	Cast Iron FC250	0.6025	A126 Cl. B
③	Cap Nut	Cast Iron FC250	0.6025	A126 Cl. B
④	Valve Seat	Nitrile Rubber NBR	NBR	D2000CA
⑤	Valve Seat Holder	Stainless Steel SUS303	1.4305	AISI303
⑥	Float	Stainless Steel SUS316L	1.4404	AISI316L
⑦	Float Guide	Polypropylene	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	D2000CA

\* Equivalent materials



## Dimensions

### ● VAS Screwed



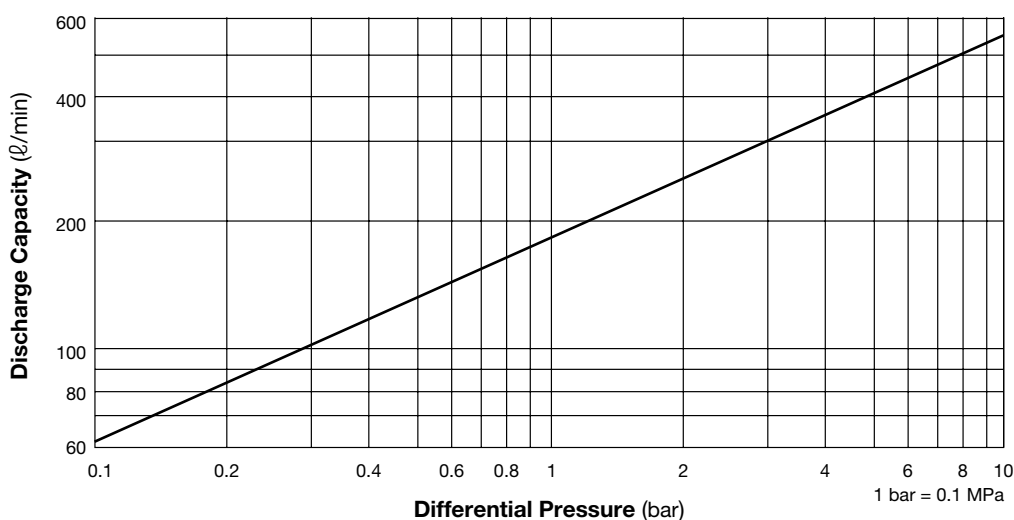
### VAS Screwed\* (mm)

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 standard 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.

