COMPACT AIR VENT

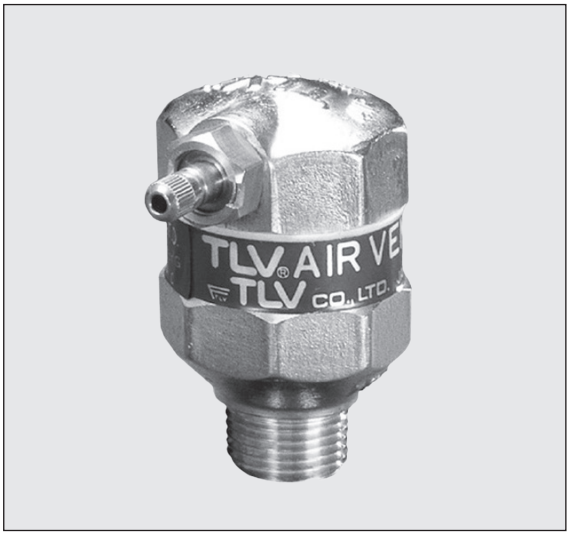
MODEL SA3

COMPACT 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. Extremely compact and light weight.
2. Auxiliary valve seat enables maintenance during operation.
3. Provides a tight seal, even at extremely low pressure (0.01 MPa for SA3 with no. 3 orifice)



Specifications

Model	SA3
Connection	Screwed
Inlet Size (mm)	10, 15, 20
Orifice No.	3, 10
Maximum Operating Pressure (MPaG) PMO	0.3, 1.0
Minimum Operating Pressure (MPaG)	0.01, 0.1
Maximum Operating Temperature (°C) TMO	100
Applicable Fluid*	Water

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

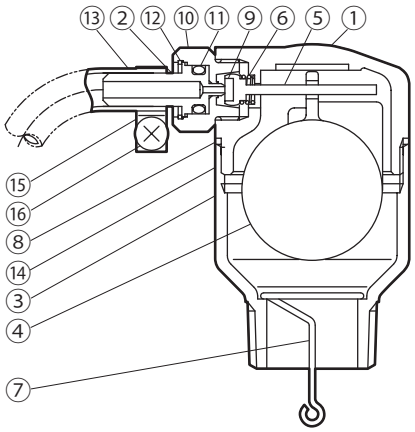
1 MPa = 10.197 kg/cm²

PRESSURE SHELL DESIGN CONDITIONS (**NOT** OPERATING CONDITIONS): Maximum Allowable Pressure (MPaG) PMA: 1.0
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.

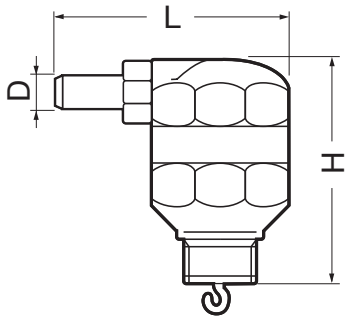
No.	Description	Material	JIS	ASTM/AISI*
①	Body	Brass	C3771	B124 C37700
②	Valve Seat	Stainless Steel	SUS303	AISI303
③	Base	Brass	C3771	B124 C37700
④	Float	Polypropylene	—	—
⑤	Valve Holder	Stainless Steel	SUS303	AISI303
⑥	Coil Spring	Stainless Steel	SUS304	AISI304
⑦	Siphon Rod	Stainless Steel	SUS304	AISI304
⑧	Body Gasket	Fluorine Resin	PTFE	—
⑨	Valve	Nitrile Rubber	NBR	D2000BF
⑩	Valve Seat Holder	Brass	C3601	B16 C36000
⑪	O-Ring	Nitrile Rubber	NBR	D2000BF
⑫	Snap Ring	Stainless Steel	SUS304	AISI304
⑬	Tube	Vinyl	—	—
⑭	Nameplate	Tetron	—	—
⑮	Worm Drive Clamp	Stainless Steel	SUS304	AISI304
⑯	Clamp Screw	Stainless Steel	SUS304	AISI304

* Equivalent



Dimensions

● **SA3** Screwed

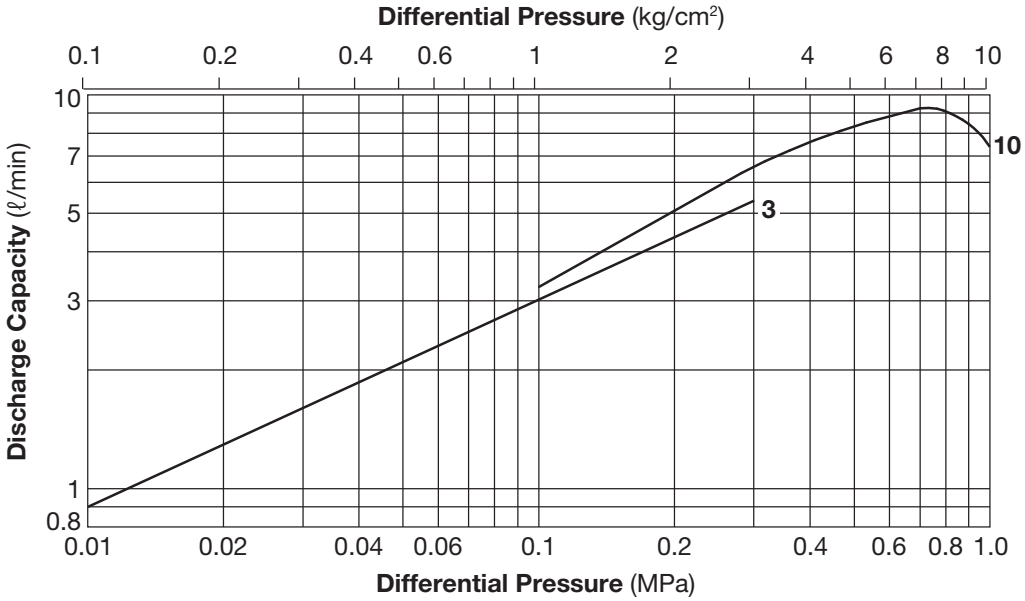


SA3 Screwed* (mm)

Inlet Size	L	H	ϕD	Weight* (g)
10	50	53	5.5	130
15				
20				

* Rc(PT), other standards available.

Discharge Capacity



1. Line numbers with in the graph above refer to orifice numbers.
2. Differential pressure is the difference between the inlet and outlet pressure of the air vent.
3. Capacities are equivalent capacities of air at 20 °C under atmospheric pressure.

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

Manufacturer
TLV CO., LTD.
Kakogawa, Japan
is approved by LRQA Ltd, to ISO 9001/14001

ISO 9001
ISO 14001

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SDS M3604-16 Rev. 10/2024
Products for intended use only.
Specifications subject to change without notice.