



VENT TANK

MODELS VT 500
1000
1500

GENERAL SPECIFICATION

GS.No.GCC005E-5

■ GENERAL

The vent tank is installed as an accessory to an air eliminator. At atmospheric pressure, it is intended to collect oil mist exhaust together with air from the air eliminator and serves as a backup in case of oil leaks.



■ GENERAL SPECIFICATIONS

Item		Description		
Model		VT0500	VT1000	VT1500
Capacity, L		500	1000	1500
Pressure		Open tank		
Test Pressure		Hydrostatic		
Boly Material		SS400		
Level Gauge		Glass tube protected by sleeve, diameter: 20 mm (3/4")		
Finish		Munsell 2.5G 8/2		
Approx. weight, kg		280	340	540
Max. qty of Air Eliminator to be Connected to a Single Vent Tank	*A10,20,30	★(3)		
	A40	(2)	(3)	
	A50	(1)	(3)	
	A60	(1)	(2)	
	A65		(1)	(2)
	A67		(1)	(1)
	A65,67,68			(1)

NOTE 1* : Indicates air eliminator capacity code.

2★ : Number in () indicates number of Air Eliminator to be combined with a vent tank.

● Options

- (1) Steam trace: Internal heater for circulating steam or hot water
- (2) Level gauge seal pot (substitute liquid): Ethylene glycol
- (3) Flame arrester: 80 mesh
- (4) Level switches: 3 positions, std. (high, middle, low limit)
- (5) Drain valve: bore size; 50 mm (2")
- (6) Anchor bolts and nuts

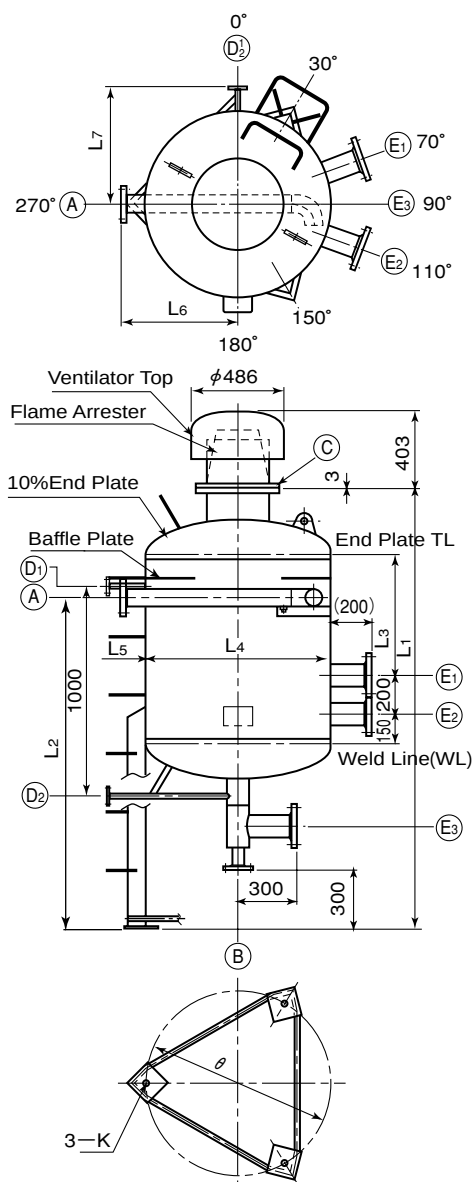
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DIMENSIONS



1. Nozzle, Flange Specifications

Symbol	Part Name	Bore, mm			Flange
		VT0500	VT1000	VT1500	Rating
A	Inlet※	65	80	80	In accordance with flange rating of Air Eliminator
B	Drain Port	50			
C	Exhaust Port	300			
D ₁	Level Gauge Mtg. Flange (top)	20			In accordance with flange rating of Air Eliminators
D ₂	Level Gauge Mtg. Flange (bottom)	20			
E ₁	Level Switch Mtg. Flange (high)	100			
E ₂	Level Switch Mtg. Flange (mid)	100			
E ₃	Level Switch Mtg. Flange (low)	100			

※ : In case of connecting multiple air eliminators to a single vent tank, 150 mm (6") is the vent tank port size.

2. Dimensions

Unit in mm

Model	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇	θ	k
VT0500	2090	1550	540	750	4.5	500	500	750	19×3
VT1000	2260	1700	620	950	4.5	600	600	950	19×3
VT1500	2590	1900	870	1100	6.0	675	675	1100	23×3

NOTE 1) Flame arrester, level switches, steam trace, and drain valve are options.

NOTE 2) Piping beyond the drain port (B) is not furnished by the manufacturer.

3. Capacities at Respective Level Switch Mounting Points

Unit in L

Model	Total Capacity E ₀	Low E ₃	Middle E ₂	High E ₁
VT0500	494	0	111	201
VT1000	874	0	194	338
VT1500	1440	0	277	469

■ When making inquiries, please advise the following:
(fill in the blanks or check ☐ with ✓ mark)

- Vent tank model: _____
- Air eliminator model: AE _____
- No. of air eliminators: _____
- Name of fluid applied: _____
- Sp. gr. of fluid applied: _____

- Accessories (options): _____
☐ Flame arrester ☐ Level switches ☐ Heater coil
☐ Drain valve ☐ Level gauge seal pot
☐ Anchor bolts and nuts

MODEL CODE NUMBER[illegible]

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