



VSG-24 Series

Indoor High Voltage Vacuum Circuit Breaker

VSG-24 indoor HV vacuum circuit breaker is a 3-phase AC 50Hz 24kV indoor switch equipment.

- ◆ Operating mechanism: spring operating mechanism;
- ◆ Pole type: assembled pole, embedded pole;
- ◆ phase-to-phase distance: 275mm;



※ Environmental Conditions

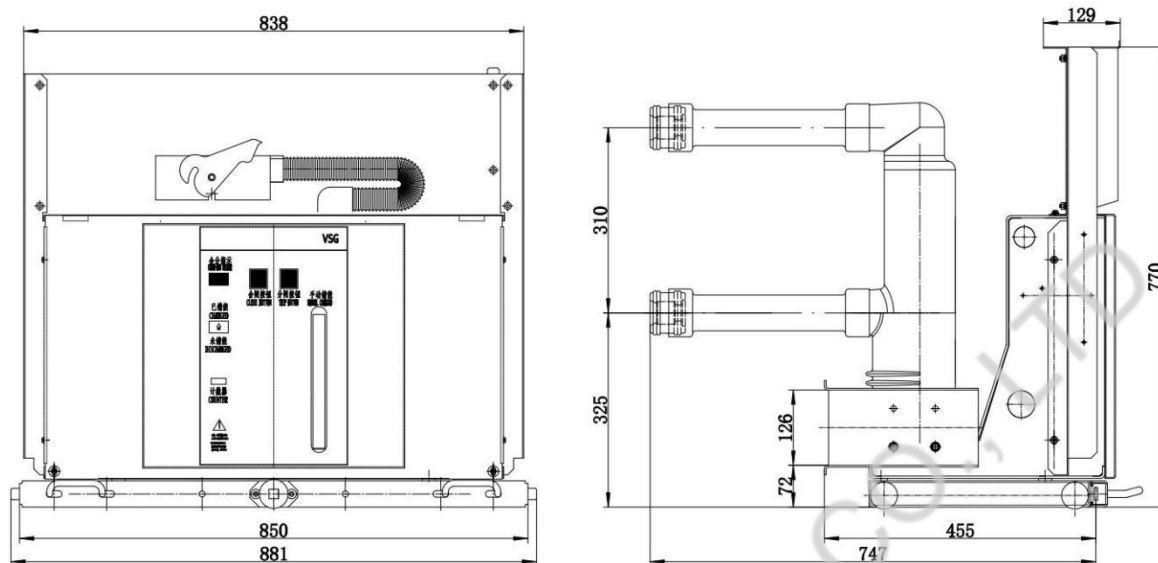
- ◆ Ambient temperature: $-15^{\circ}\text{C}\sim+40^{\circ}\text{C}$;
- ◆ Altitude: $\leq 1000\text{m}$;
- ◆ Relative humidity: daily average $\leq 95\%$, monthly average $\leq 90\%$;
- ◆ Earthquake intensity: ≤ 8 level;
- ◆ Places without fire, explosion hazard, serious filthy, chemical corrosion, as well as intense vibration.

※ Main Technical Parameters

No	Item	Unit	Value
1	Rated voltage	kV	24
2	1 min power frequency withstand voltage		65
3	Rated lightning impulse withstand voltage		125
4	Rated frequency	Hz	50/60
5	Rated current	A	630, 1250, 1600, 2000, 2500, 3150
6	Rated short circuit breaking current	kA	25, 31.5
7	Rated short circuit making current (peak)		63, 80
8	Rated short time withstand current		25, 31.5
9	Rated peak value withstand current		63, 80
10	Rated short circuit duration	S	4
11	Rated operating sequence		O-0.3s-CO-180s-CO
12	Secondary circuit power frequency withstand voltage (1min)	V	2000
13	Rated single/back-to-back capacitor bank breaking current	kA	630
14	Breaking time	ms	20~50
15	Opening time		35~70
16	Mechanical life	times	10000
17	Electrical life		E2 class
18	Power of energy storage motor	W	90
19	Control circuit power supply voltage	V	AC/DC 110/220

※ **General Structure Drawing and Installation Size (unit: mm)**

◆ Draw out type



Rated current (A)	630	1250	1600
Rated short circuit breaking current (kA)	25, 31.5	25, 31.5	31.5
Fixed contact size (mm)	Ø35	Ø49	Ø55
Phase-to-phase distance (mm)	275		