



VOX7



RELIABLE, COMPACT, MAINTENANCE FREE AND NOW PURE

Built to withstand the rigors of the most demanding environments, the VOX7 is one of the most reliable outdoor breakers on the green market with the lowest Total Cost of Ownership.

The VOX7 is the SF6-Free version of the well renowned VOX breaker already used all around the world for more than 20 years. It shares the same technical specifications and same form factor than the original VOX, but now with Dry-Air.



Reliability

The fully welded, no gasket, stainless steel sealed for life tank, which houses the vacuum interrupters, provides a controlled environment totally immune from external ambient conditions

- Build for the most demanding environment, thanks to the sealed for life tank, the aluminum control cabinet and the custom-designed EPDM bushing with 54" tracking distance and more than 1377mm/kv
- Internal arc tested in compliance with IEC 62271-200 featuring accessibility class A.
- Build with proven, highly reliable vacuum interrupter assemblies mounted inside the Dry-Air filled tank
- The proven spring-loaded mechanism is fully accessible from the low voltage compartment.



Flexibility

Provisions for current transformers is available on all six polymer bushings which are external from the sealed circuit breaker tank.

- Up to 12 CTs
- Short-circuit rating from 25kA to 40kA
- Wide temperature range from -60°C to +55°C
- Customized control panel tailored to customers' needs
- An independent control panel is available for better accessibility and safer operation
- Small footprint, ideal for retrofit, modernization and new installations
- Suitable for high-speed auto-recloser switching
- Out-of-phase switching for decentralized generation (Renewable Energy Generation)
- Suitable for capacitor bank switching Class C2 (Recommended for capacitor Bank switching).



Installation & Maintenance

The compact, lightweight design of the VOX makes it easy to transport, handle and install

- The separate support frame can be pre-installed to accept the breaker tank seismic rated and the control cabinet. Height can be adjusted within a range of 27 inches (675 mm).
- Maintenance free
- Sealed for life design



Ease of doing business

Preconfigured solutions simplifying ordering
Customized integrated solutions

- Made in North-America
- World-Wide Local representative
- Dedicated customer services



1. Main Cabinet

Houses the spring mechanism, control and protection equipment

2. Optional Secondary Control Cabinet

Can be installed on the front or any side, can be customized for specific needs

3. Polymer Bushings

- Short bushings; accommodates 1 CT's
- Long Bushings; accommodates 2 CT's

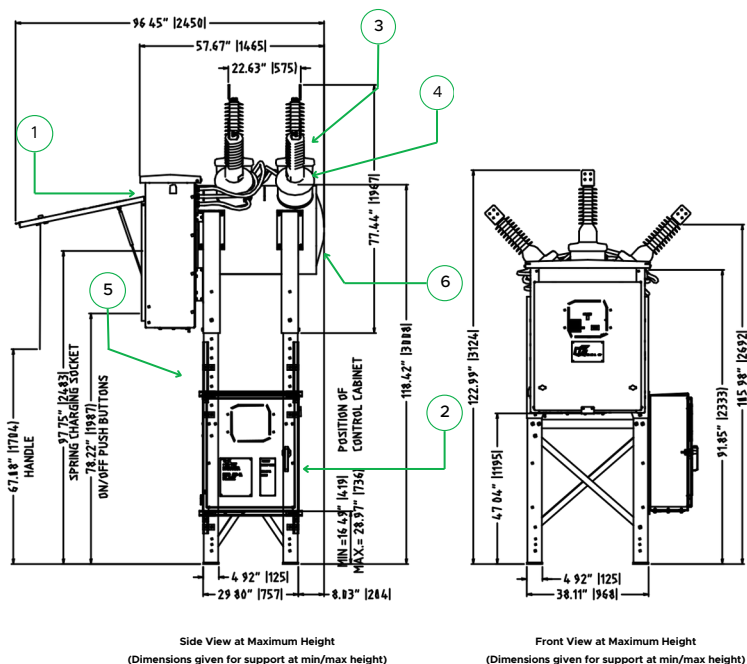
4. CT Housings

Water-tight, stainless steel; IP 55

5. Full Height Adjustable Support

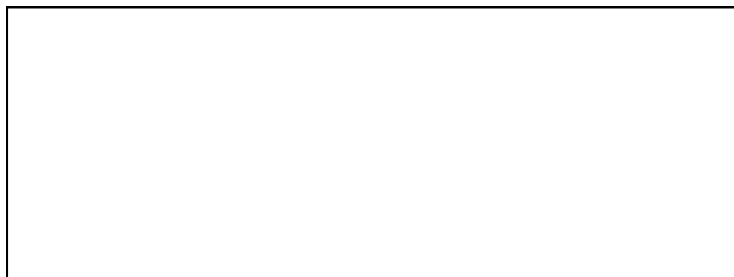
6. Sealed For Life Tank

- Fully welded construction with no gaskets; eliminates leakage
- Stainless steel 304
- SF6Free



Measurements; inch (millimeter)

Technical characteristics		IEC/BS/AS	ANSI	GOST/GB
Rated maximum voltage	kV	36	38	40.5
Rated impulse withstand voltage	kVp	170	200 (258 kVp chopped wave)	190
Power frequency withstand voltage	kV A	70/80/95	80	95
Rated continuous current	A		1 200 / 2 000	
Rated withstand current (3s)	kA		25 / 31.5 / 40	
Rated arc fault containment	kA		25-1s / 31.5-0.5s	
Rated short circuit breaking current	kAp		25 / 31.5 / 40	
Closing and latching capability			65 / 82 / 100	
Operating sequence			OCO-15s-CO (IEC) O-0.3s-CO-15s-CO (ANSI)	
Number of operations at rated current			10 000	
Number of operations at short circuit current			100	
Gas fill pressure	bar abs		up to 2.8	
Control voltage	VDC VAC		24,48,125, 250 120, 240	
Environment				
Operating temperature range	°C		-40 to +40 (option -60 to +55)	
Relative humidity	%		0 - 100	
Altitude (maximum for quoted ratings)	ft / m		10 000 / 3 000	
Seismic withstand	g		0.5 (option 1.0)	



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