



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.



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



Flexibility

Provisions for current transformers is available on all six polymer bushings which are external from the

- 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).



Ease of doing business

Preconfigured solutions simplifying ordering
Customized integrated solutions sealed circuit breaker tank.

- 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

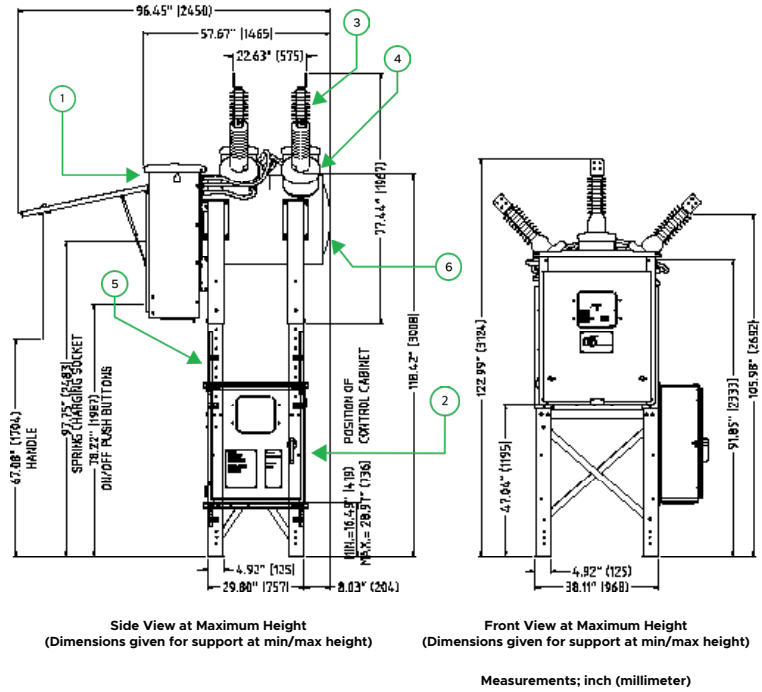
4. CT Housings

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



Technical characteristics		IEC/BS/AS	ANSI	GOST/GB
Rated maximum voltage	kV	36	38	40.5
Rated impulse withstand voltage	kVp	170	170 (200 – Q4 2024)	190
Power frequency withstand voltage	kV	70/80/95	80	95
Rated continuous current	A	1 200 / 2 000		
Rated withstand current (3s)	kA	25 / 31.5		
Rated arc fault containment	kA	25-1s / 31.5-0.5		
Rated short circuit breaking current	kA	25 / 31.5		
Closing and latching capability	kAp	65		
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	Up to 2.8		
Control voltage	VDC	24,48,125, 250		
	VAC	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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