



# Switchgear Dry Air GIS

## Switchgear Dry Air Gas Insulator SF6 free

CO7 Technologies, a leading, has partnered with Nuventura, to jointly offer a groundbreaking SF6-free Gas-Insulated Switchgear (GIS) solution to the global industrial and commercial markets. Leveraging Nuventura's cutting-edge 100% SF6-free technology, the CO7 GIS system offers a sustainable and reliable power distribution solution that aligns with the industry's push towards a greener future. This innovative switchgear features compact dimensions, low maintenance requirements, fully customizable, with the highest operational reliability standards, making it an ideal choice for applications that demand both performance while respecting the highest environmental standards.

CO7 Technologies has taken a firm commitment as a market leader to deliver high quality greener protection solutions and the GIS is the latest addition to an innovative SF6 free catalog as the power distribution industry continues its transition towards renewable energy integration and grid modernization in harmony with the carbon neutral objectives.

### Features and Benefits

- 36/38kV up to 2000A ratings
- Safe and reliable switching through Vacuum interrupter technology
- Wide range of protection available and customization possible
- Hermetically sealed stainless-steel tank for any type of environments
- Turnkey solution from factory, no gas handling for installation or commissioning
- Comprehensive and easy cabling with front cable termination
- Smart grid ready with options for remote operation, monitoring, and diagnostics for real time supervision and control
- Internal Arc rated to ensure operator safety mining
- Safe operation mode available
- Fully customizable and tailor made hybrid solution

### Applications

- Energy Power generation
- Renewable energy, wind, solar and energy storage
- Production of hydrogen
- Mining industry
- EV charging installations
- Data Centers
- Urban Infrastructures (Water waste water, Transport electrification)
- Transport infrastructures (Railway, Marine, Airports)



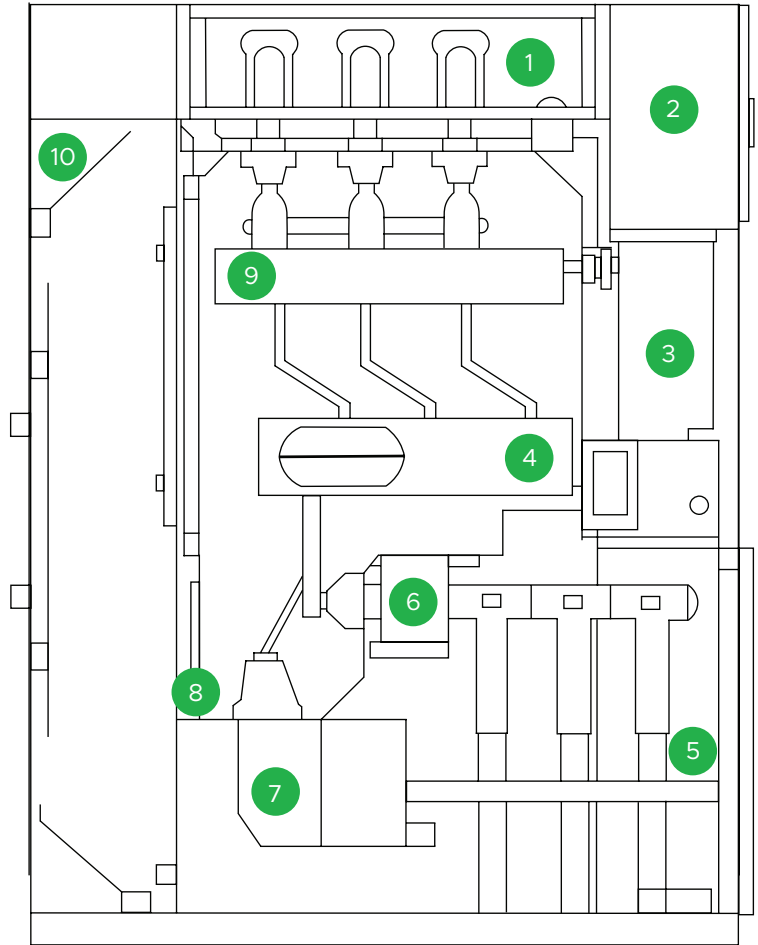
Technical Characteristics			
Suitable for European & North American applications			
Rated frequency	Hz	50/60	50/60
Rated Voltage	kV	24/25	36/38
Testing voltage (PF/Impulse)	kV	125/125	170/170
Rated busbar current	A	2500	
Rated feeder current	A	1250 & 2000*	
Rated short time current	kA(3s)	31.5/25	31.5/25
Internal arc protection AFLR	kA(1s)	31.5/25	31.5/25
Dry air Insulation medium			
Filling pressure (rel.)	kPa	100 at 20 °C	200 at 20 °C
Min. operating pressure (rel.)	kPa	80 at 20 °C	180 at 20 °C
Operating Temperature	°C	-5 ... +40	
Dimensions			
Width   1250A/2000A	mm	650/900	650/900
Height   1250A/2000A	mm	2300	2300
Depth	mm	1500	1500

## SCO7GIS Cross - Section

1. Busbar compartment
2. Low voltage compartment
3. Drive mechanism
4. Vacuum circuit breaker
5. Cable compartment
6. Current transformer
7. Voltage transformer
8. Pressure relief system
9. Three-position disconnecter
10. Pressure relief duct

## Standards

- IEC 62271-200 AC Metal enclosed switchgear and control gear
- IEC62271-100 Alternating current circuit breakers. IEC62271-1 HV switchgear and control gear
- common specification IEC62271-102 Alternating current disconnectors and earthing switches
- IEC60255 Measuring relays and protection equipment.



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