

N₂ Blue

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NITROGEN
SF₆ FREE

GIS/N for primary distribution

Our latest developed environmentally friendly Gas Insulated Switchgear/Nitrogen is the result of more than 40 years of experience.

THE NEW GENERATION OF MV SWITCHGEAR

SF₆ Free

Innovation and environmental care are the driving forces behind SGC - SwitchGear Company nv. More recently, we've switched into BLUE and developed our newest SF₆ free switchgear, the N₂ Blue, to be able to present a non-polluting alternative but with the same high performance. The N₂ Blue is the result of our more than 40 years of experience in medium voltage switchgear.

There are multiple advantages that we can relate to SF₆ Free MV Switchgear. The most important one is of course the fact that it's the most environmentally friendly solution. Next to that we can say that our blueline switchgear offers reduced costs in maintenance because of our high quality standards in terms of production. And finally, it's less susceptible to environmental factors.

- **Insulation medium: Nitrogen**
- **Built to last, eco-friendly product**
- **Flexible Modular System - combination is unlimited**
- **Suitable for heavy industry**
- **Can be equipped with a wide range of optional features**
- **Independent of environmental conditions**



SGC

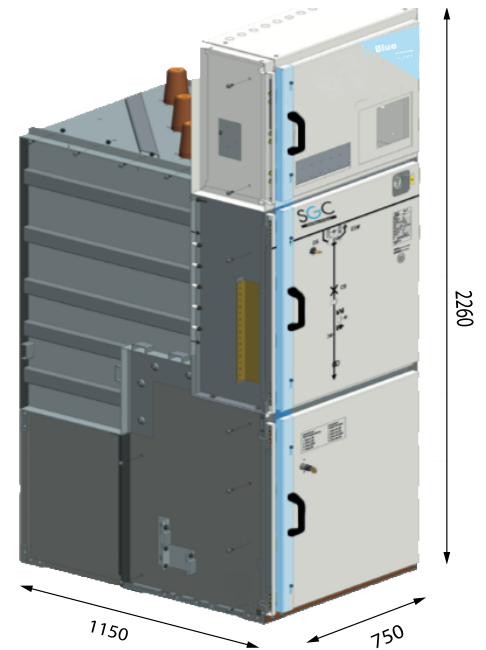
SwitchGear Company

THE SPECIALIST IN MEDIUM VOLTAGE SWITCHGEAR

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N₂ Blue | Technical specifications

Rated Voltage	17,5 kV
Rated power frequency withstand voltage (Ud)	38 kV
Rated lightning impulse withstand voltage (peak)	95 kV
Rated short-circuit breaking current (Isc)	to 25 kA
Rated peak withstand current (Ip)	to 50 kA
Rated short-time withstand current (Ik)	25 kA
Rated duration of short circuit current (tk)	1s
Internal arc withstand current, 1s	20 kA
Rated frequency	50/60 Hz
Rated busbar current	2500 A
Rated feeder current	630 A, 1250 A, 1600 A, 2000 A, 2500 A
Standards	IEC 62271-200 / IEC 62271-1
Degree of protection (RC 630 A, 1250 A)	IP4X
Degree of protection (RC 1600 A, 2000 A)	IP3X
Temperature range	-15 °C to +40°C
Maximum relative humidity	95%
Maximum altitude	1000m*



*For installations at altitudes higher than 1000 m, the insulation withstand level of external insulation at the service location has to be determined by multiplying the rated insulation levels by a factor Ka in accordance to IEC standards.

SGC stands for:

- Optimal operator safety.
- User friendly, IEC certified, built to last products.
- Modern technology & ergonomic, eco-friendly production processes.
- Made-to-measure & optionally customer labeled.



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SGC - SwitchGear Company nv.
Medium voltage switchgear, built to last.

SGC - SwitchGear Company nv has been supplying reliable products for electrical distribution for more than 40 years. Innovative ideas and environmental care are the driving forces behind SGC - SwitchGear Company nv. The development of complete solutions consists of a minimum number of components, all of which have an exceptional life span. SGC - SwitchGear Company nv stands for exceptional quality and superior customer care. Your desired specifications and deadlines are our main concern. An exclusive factory and highly automated production lines are key factors in our "state of the art" components and systems. It enables us to develop the DF-2, DR-6/DT-6, DF-3 ,DI-2, SI-2, DW-2, GI-2, DF₂ Blue and N₂ Blue to the highest quality standards. When it comes to delivery times, prices and products SGC - SwitchGear Company nv delivers.

THE SPECIALIST IN MEDIUM VOLTAGE SWITCHGEAR