

Type VOR-S

Vacuum Circuit Breaker Retrofit

Replacement for Oil Beakers GEC BVP17/VMX, SWS C4X, D4X, Reyrolle LMT and Others.

P&B started developing vacuum retrofit circuit breakers in 1991. Since then, we have become a market leader by designing, type testing and introducing many medium voltage vacuum breaker designs to replace air and oil break circuit breakers manufactured by a range of UK suppliers.

In many cases ageing switchgear can be given a life extension of up to 30 years by simply replacing the circuit breaker, as the switchgear fixed portion is usually almost as good as new.

Benefits of Retrofit Switchgear:

- » Increased operating reliability and safety
- » Enhanced short circuit ratings available
- » Reduced maintenance and environmental impact
- » Elimination of hazardous materials such as asbestos
- » Service life can be extended by up to 30 years

Benefits over replacing complete switchboards include:

- » Significant overall cost savings
- » Minimal disruption to site and supplies
- » No need to disturb or replace HV cables



Our VOR-S circuit breaker range has been designed for total reliability. It utilises the ABB V-max vacuum circuit breaker which, based on the VD4 unit has a proven global track record designed to achieve trouble free performance over many thousands of maintenance free operations.

Our offering includes for an “all new” design incorporating new primary and secondary contacts, bushings, etc using none of the existing parts. This allows for complete manufacture and delivery to site without the need to switch off your existing unit until the new one is ready and waiting minimising potential delays and consequential loss of production. Many options & unique features are available with this unit above your original specification.

RATINGS AVAILABLE

Maximum System Voltage	kV	12
Rated Power Frequency Withstand	kV	28
Basic Impulse Level	kVp	75
Normal Rated Current	A	630 to 1250
Short Circuit Breaking Current	kA	up to 31.5 rms
Short Time Current	kA 3secs	31.5
Peak Making Current	kAp	80
Mechanical Endurance Performance		> 10,000 Operations