Medium Voltage Vacuum Replacement Circuit Breakers

AREVA has delivered over 800 Eaton vacuum replacement circuit breakers of various models to the nuclear industry over the past several years. Even more breakers are under contract and scheduled for delivery. The bottom line? The Eaton vacuum circuit breaker is now the most prevalent in the nuclear industry, establishing a strong installed base.

Historically, the same team of AREVA and Eaton individuals has been responsible for delivering all of these vacuum replacement circuit breakers to the nuclear industry, making us not only very familiar with the equipment and industry issues, but also each other. Through the course of delivering these breakers to the industry, AREVA has qualified numerous Eaton breaker designs for safety-related applications.

The ability to coordinate, support, and complete major circuit breaker replacement projects is vital to your plant. The experience and support by our team are unmatched, and we are ready and capable to partner with you to ensure that every step of this important equipment transition runs smoothly and successfully.

Offering More Comprehensive Advantages

We offer customers brand new replacement vacuum circuit breakers — not a retrofit re-using the old circuit breaker. All circuit breakers are designed and tested to IEEE/ANSI standards with increased interrupting capability models available for the changing needs of your system.

Installation of the Eaton vacuum replacement circuit breaker will offer increased reliability while reducing maintenance costs and downtime. Fewer moving parts means simplified maintenance, saving you time and money. Replacing old air magnetic circuit breaker technology will eliminate arc chutes that may contain asbestos, resolving current and future environmental issues. In addition, installation of a modern vacuum device combats parts availability problems prevalent with old air magnetic circuit breakers.

Westinghouse 5kV DHP-VR

ITE 5kV HK-VR

Features and Benefits

- Improves system reliability
- Combats obsolescence
- Reduces maintenance costs
- Increases fault capability
- Exclusive Sure-Close™ mechanism operated contacts (MOC) technology

EATON
Powering Business Worldwide™

AREVA
forward-looking energy

Featuring Patented Sure-Close™ MOC Technology

The most important reliability feature of the Eaton vacuum replacement circuit breaker as compared to other vacuum or SF6 replacement breakers is the Sure-Close™ “un-coupled” MOC Operator. This patented Sure-Close™ mechanism is extremely effective in slowing the interface speed down to acceptable velocities as well as ensuring proper breaker operation irrespective of the loading by the cell auxiliaries. This device ensures that the MOC operator cannot stall a breaker or cause contacts to weld. It minimizes mechanical wear of your MOC cell switches and linkage plus reduces contact bounce to eliminate false indication.

Engineering Solutions to Improve Performance

With U.S. market leadership and global resources, AREVA delivers integrated engineering solutions to improve your plant’s performance.

GE-AMH-VR

Allis-Chalmers 5kV MA-VR

Westinghouse 5kV DHP-VR

GE 13.8kV AM-VR

AREVA Inc.

For more information, contact
Dennis Gittins
Product Development, Electrical Equipment
100 East Kensinger Drive, Suite 100
Cranberry Township, PA 16066
dennis.gittins@areva.com
Tel: 724.591.7014 – Cell: 724.272.2804

or your VP, Key Accounts:
Tel: 704.805.2410
us.areva.com

6/15 **ANP:U-255-V8-15-ENG**