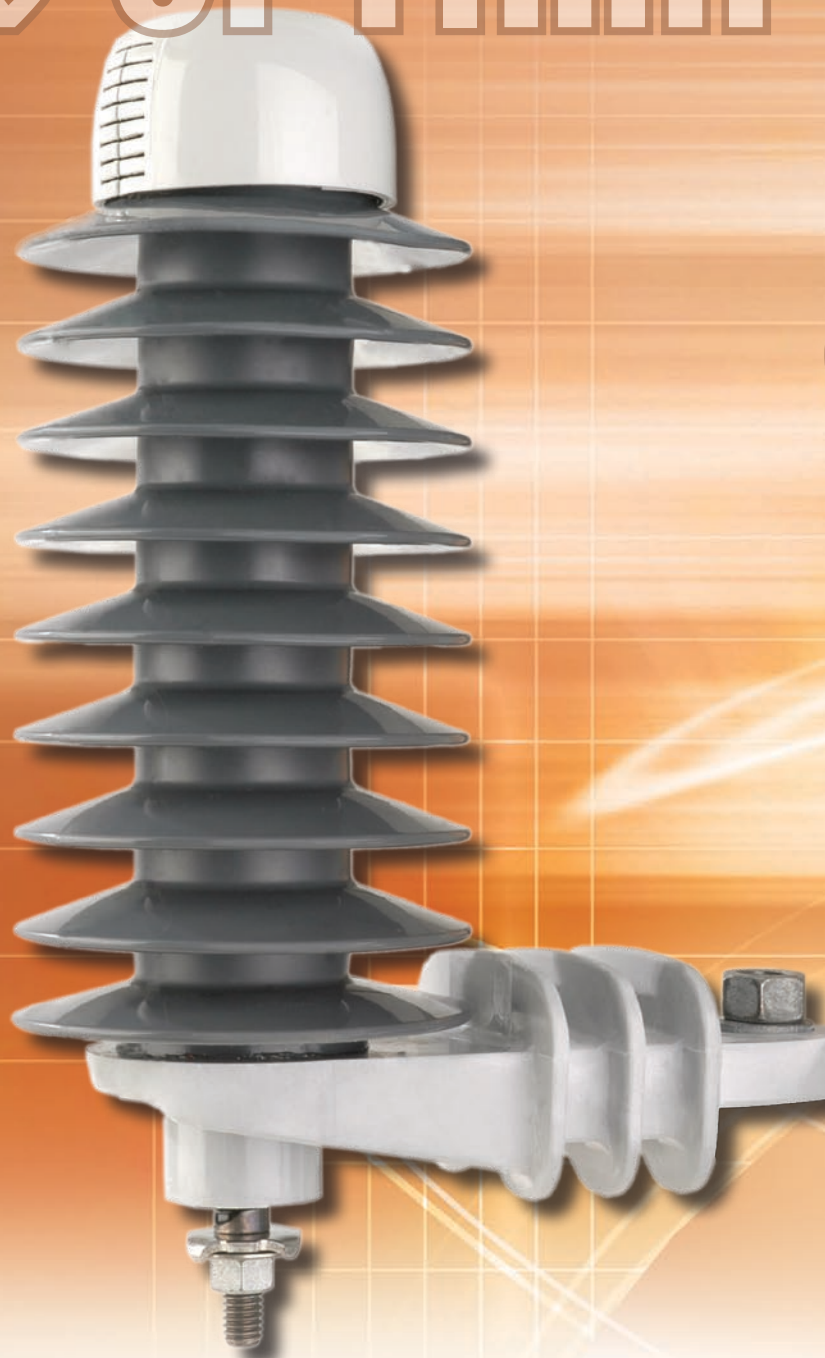


# NEW OPTIMA

# ARRESTER FAMILY



## Optima Arresters

*Enhance System Reliability*



# • Optima Technology Now Extends to Normal Duty & Riser Pole Arresters

## • New Arresters Dependably Clear

### Why Optima?

Distribution class surge arresters install using a ground lead disconnecting device. This allows a failed (shorted) arrester to automatically disconnect from the line. Occasionally, under conditions that allow a low fault current to flow through the arrester, damage occurs to the disconnect's internal grading resistor. When this happens, the disconnecter will not operate. With the introduction of polymer arrester designs, this situation is aggravated because it is nearly impossible to identify a failed arrester from the ground. In addition, the circuit is locked out. Enter Optima.

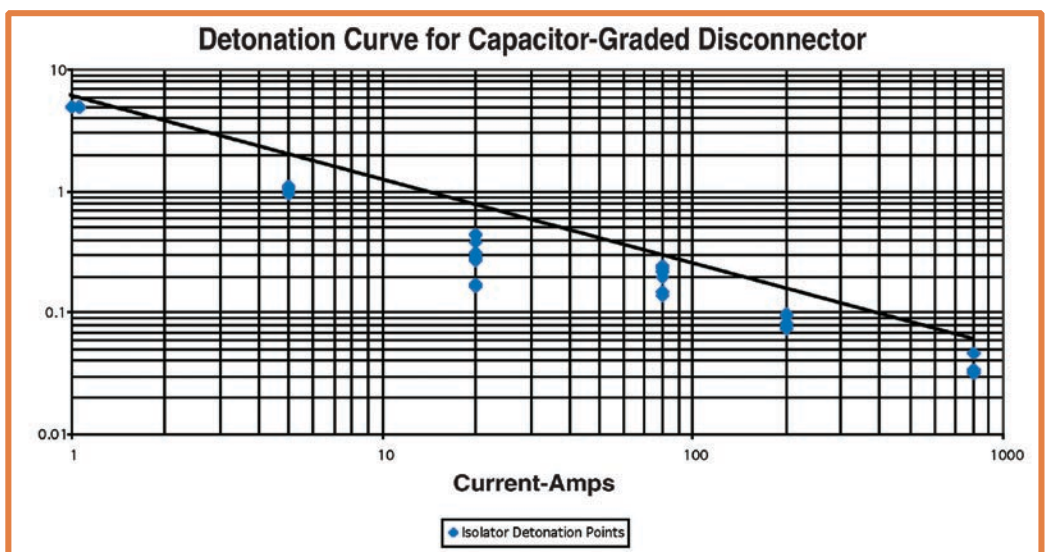
The Optima design incorporates a patented capacitor-graded disconnecter into the insulated bracket attached to the arrester base. The low current end of the detonation range for the capacitor-graded Optima disconnecter has been extended from 20 amps down to 1 amp. This assures proper disconnecter operation even at very low fault current levels. The Optima disconnecter is not affected by exposure to prolonged TOV conditions or high current lightning duty. In the unlikely event of arrester failure, it does ensure proper detonation of the disconnecter, separating the arrester ground lead and preventing lockout from occurring.



Don't let shorted arresters get in the way of your reliability. The Ohio Brass (OB) Optima arrester resolves service interruptions caused by shorted arresters immediately and gives crews a "heads-up" by showing the line lead that's disconnected at the lower terminal of the arrester.

Crews simply replace the old arrester with the Optima and the job is done. Replacement is quick. It cuts costs, too, unlike the \$200 plus it can cost to find and fix the problem using other arrester designs.

While older style disconnects can cause lock-outs, that's never a problem with the OB Optima arrester.

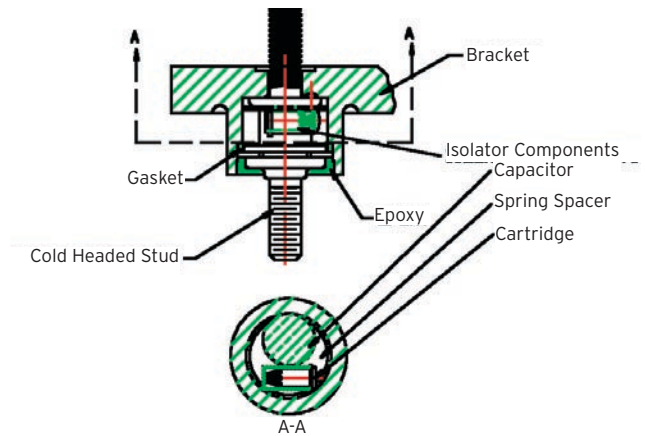
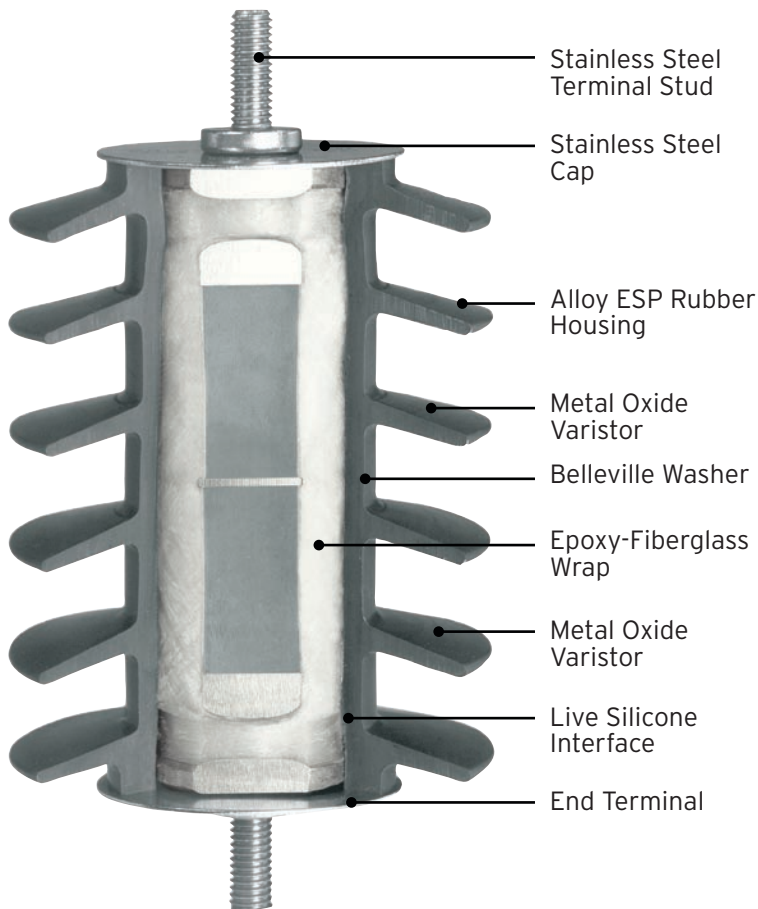


## Engineered To Perform

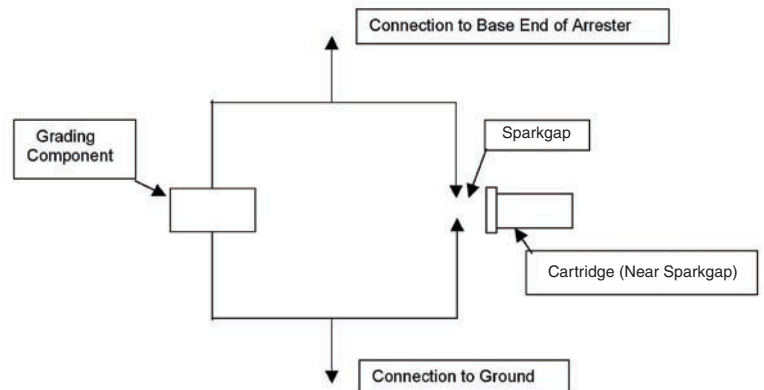
OB varistors are locked in place with tightly wound layers of fiberglass filament impregnated with epoxy resin. The arrester housing is made from our proprietary blend of ESP™ silicone alloy for superior resistance to tracking, contamination performance and aging as well

as a field-tested sealing system that leads the industry. The Optima protective cap is designed for single or through connection lead wires. Each side of the cap has webbed fingers which prevent accidental contact with the arrester top end hardware by wildlife.

### Typical Cutaway (Arrester Only)



### Electrical Schematic of Ground Lead Disconnect



## Field-Proven Performance

The PDV arrester was initially introduced in 1986 as the first U.S. non-ceramic arrester for heavy-duty applications. Nearly 20,000,000 arresters later, OB has taken arrester technology to the next level with the Optima arrester. You get all the benefits of a polymer housed distribution arrester and more. Improved system reliability and

increased TOV capability. A specially designed glass-filled polyester insulating bracket, with integrated disconnecter, along with optional mounting brackets (cross arm or transformer) lets you mount the arrester in a manner that works best for you.



## A Problem Solver You Can Count On

- ANSI Heavy-Duty, Normal & Riser Pole Rated
- Improved Isolator Reliability
- Disconnecter Works on Currents Down to 1 Amp
- Universal Protective Cap
- Higher 60Hz TOV Capability
- Improves System Reliability
- Shipping Restraint Not Required
- Performance History

## Choose Ohio Brass

The choice is clear. OB polymer arresters offer single unit designs that are easy to handle and install with versatile mounting configurations. Installation costs are dramatically cut. No shipping restraint required. Moisture ingress, which causes 86% of porcelain arrester failures, is practically eliminated. The list of advantages goes on and on.

OB has the history, experience and arresters that utilities around the globe specify. Choose OB.



**Web:** <http://www.hubbellpowersystems.com>  
**E-mail:** [hpsliterature@hps.hubbell.com](mailto:hpsliterature@hps.hubbell.com)

### **UNITED STATES, CANADA, INTERNATIONAL**

HUBBELL POWER SYSTEMS, INC.  
210 N. Allen  
Centralia, MO 65240-1395  
Phone: 1-573-682-5521  
Fax: 1-537-682-8714  
e-mail: [hpsliterature@hps.hubbell.com](mailto:hpsliterature@hps.hubbell.com)

### **MEXICO**

HUBBELL DE MEXICO, S.A. DE. CV  
Av. Coyoacan No.1051  
Col. Del Valle  
03100 Mexico, D.F.  
Phone: 52-55-9151-9999  
Fax: 52-55-9151-9988  
e-mail: [vtasdf@hubbell.com.mx](mailto:vtasdf@hubbell.com.mx)

**ANDERSON<sup>®</sup> CHANCE<sup>®</sup> FARGO<sup>®</sup> OHIO/BRASS<sup>®</sup> PCORE<sup>®</sup> QUAZITE<sup>®</sup>**