

# Arc Resistant Switchgear



## PACSAFE® Arc Resistant Switchgear

- Personnel Safety
- Equipment Reliability
- Better Life Cycle Cost

At PACS Switchgear LLC, nothing is more important to us than the safety of your workers. Safeguarding personnel from the hazards of an arc flash explosion is the top priority of our Arc-Resistant product line.

PACSAFE® Innovative Arc Resistant Switchgear has become the accepted industry standard. Our robust vault doors and patented Plenum System direct the explosion away from the front of the cubicle where workers may be nearby. Dedicated vertical shafts transfer the blast force to a top mounted, vented collector plenum.

With an independently tested and certified construction that can accept any manufacturer's breaker and cradle, PACSAFE® is the premium line of medium voltage electrical distribution equipment that saves lives.

Typical switchgear without PACS Plenum System



PACS patented Plenum System

## Technical Specifications

Patent No. US 7236352

### Ratings:

- 5 kV – 60 kV BIL – 63 kA IC – To 4,000 Amps.
- 15 kV – 95 kV BIL – 63 kA IC – To 4,000 Amps.
- 27 kV – 125 kV BIL – 40 kA IC – To 3,000 Amps.
- 38 kV – 150 kV BIL – 25 kA IC – To 4,000 Amps.

Manufactured and tested to the following Standards:

- ANSI/IEEE C37.20.2
- ANSI/IEEE C37.20.7 Type 1 & 2, A, B & C
- IEC 62271-100 & 200

50 Hertz or 60 Hertz

NEMA 1, 3R and 4X Construction

Indoor and Outdoor

Available in one high and two high construction

## Suitable for:

- Electrical Utilities
- Industrials
- Transit
- Authorities
- Municipals
- Petrochemical
- Oil & Gas

Proudly Made in the USA



## *Arc Mitigation*

Minimizing the duration of internal arc faults adds a second line of defense to personnel safety while fortifying the reliability and life of the equipment. PACS' optional state of the art Arc Mitigation system senses and trips circuits in less than 4 cycles (60 msec), confining the impairment to single circuits which typically can be quickly repaired.

## *Arc Avoidance*

The best way to avoid a destructive electrical Arc-Fault is through early detection and preventive means. PACS' optional remote monitoring system, PACSCHECK®, will continually analyze live bus bars for partial discharge, corona and voltage drop, and alerts owners of impending failures.

PACS' optional Arc Avoidance system provide a third level of defense against Arc Faults. The combination of Arc Resistance, Mitigation and Avoidance offer the highest level of protection and reliability in industry.



ISO 9001-2008

Production Facility  
402 9th Ave  
PO Box 337  
Mansfield, Ohio 44901  
P: (567) 560-8054  
F: (567) 560-8069

Application, Engineering & Sales  
1211 Stewart Ave  
Bethpage, NY 11714  
P: (516) 465-7132  
F: (516) 465-7057

[PACSwitchgearLLC.com](http://PACSwitchgearLLC.com)