

# AC HIPOTS

## THE HVI ADVANTAGES



### Products

**High Voltage, Inc.** offers standard model AC hipots from 10 kV to 100 kV, from 1 kVA to 3 kVA. We also have larger sizes available on a custom basis. Our AC Hipots offer several significant advantages over others. One notable advantage is power. When AC testing, high capacitive leakage currents are drawn. Don't buy any AC hipot rated for only 10 or 20 mA, for it will be very limited in the loads that it can test.

### Our Advantages

Our top seller among the AC hipots is the **PFT-503CM**. It is rated 50 kVAC @ 3kVA. **It is the only single piece, cable output unit in the world rated for 50 kVAC @ 3 kVA.** Our competitors offer a **two-piece** design, with the combined size and weight of their controller and separate high voltage section nearly twice our size and weight. Our unit also is equipped with a triple range current meter with a Guard/Ground circuit.

Our unit is **one piece with a 20' shielded HV cable output.** Also, it contains a fixed internal inductance to cancel out more than half the capacitive reactance of the load. With most AC testing, the load is capacitive. We can test up to 3 kVA of capacitive load but only pull about 1.2 kVA of input power. This advantage allows our unit to be plugged in to a normal outlet. Our 30 kVAC units, the **PFT-301CM and PFT-303CM**, are also one piece designs with cable outputs, while competition offers two piece designs that are far heavier and larger. Our **PFT-1003CM**, 0 – 100 kVAC @ 3 kVA, also enjoys benefits over competition. All models use **glass front meters**, not plastic, eliminating static build-up.

**Vacuum Bottle** testing should be performed with AC voltage. It is best done with our PFT-503CM. Its one piece, cable output design is a favorite among all users. Some competitors offer a +/-30 kVAC bottle tester. While suitable for bottle testing, it not suited for testing much else, since its +/- output is not referenced to ground, unlike our 0 – 50 kVAC design that can be used to test all types of substation apparatus.

Some vendors offer DC vacuum bottle testers. While these products do work to test bottles, although most bottle manufacturers do not want DC used, they are only suitable for bottle testing, nothing else. An AC hipot from High Voltage, Inc. can be used for many applications and is more economical.



PFT-301CM  
30 kVAC @ 1 kVA



PFT-503CM  
50 kVAC @ 3 kVA



PFT-1003CM  
100 kVAC @ 3 kVA  
Optional handcart



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