



AC HIPOTS The HVI Advantages

Advance Test Equipment for High Voltage Proof and Preventive Maintenance Testing of Electrical Apparatus

hvinc.com

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