

BA-WF Wind Farm Pad Mount Processor

During normal operation, wind farm pad mount transformers are susceptible to the effects of insulating liquid degradation through the accumulation of moisture, gases and particulate produced. These contaminants not only reduce the dielectric strength of the liquid, they also contribute to the breakdown of the liquid and solid insulation. This results in a shortened life for the transformer. Some wind farm pad mounts are also susceptible to combustible gas generation in the insulating liquid. Regular vacuum purification removes all dissolved gases returning total gas content to <0.25%. Baron WF series processors are designed to process and maximize dielectric strength in electrical insulating liquids - including mineral oil, natural esters, synthetic esters, silicone oil and LFH's (less flammable hydrocarbons) - used in transformers, tap changers, circuit breakers, and other oil-filled electrical devices.



CONTAMINANTS REMOVED:

- Class II liquids contain excessive particulate, moisture, and dissolved gases. A basic high vacuum purifier will remove all three of these and return the oil to within specification
- Class III liquids contain products of oxidation like acids and sludge that affect neutralization number, color, interfacial tension and power factor. If these are present, the addition of an optional fullers earth reclamation system is necessary for their removal

STANDARD FEATURES:

- 150, 300 or 600 US gph nominal – adjustable from 0-100%
- Vacuum pumping system sized for multi-pass flipping of the oil in the transformer tank
- High-quality bumper pull trailer with rear and curbside doors
- Onboard generator installed through the nose of the trailer



OPTIONS AND ACCESSORIES:

- Vacuum packages suitable for combined oil processing and transformer evacuation
- Hose reels,
- Ppm moisture-in-oil monitors
- Onboard oil storage for temporary oil holding
- Low-maintenance, high performance dry screw pump

