

BA-VC VACUUM CHAMBERS

Cylindrical or rectangular vacuum-rated tanks used for the heated vacuum drying of oil-filled electrical devices such as pole-mount, pad-mount, power or distribution transformers; bushings; capacitors; power supplies; x-ray tubes; CT-scan tubes and other high voltage devices.

CONFIGURATIONS:

Cylindrical Tanks: Small applications up to approximately 60" diameter.

Rectangular chambers: Single or multiple windings simultaneously.

OPENING TYPES:

- Top opening clam shell
- Single or double end opening with vertical lift, horizontal lateral or horizontal hinged swing door type

HEATING METHODS:

- Heated chamber walls for radiant and natural convection heating
- Cold chambers (vacuum drying only)
- Hot air circulation
- Hot oil spray
- Vapor phase

VACUUM SYSTEM:

The latest in dry screw pump technology to eliminate seal oil maintenance; system sized to the chamber volume; expected moisture load; desired endpoint pressure and expected cycle time.

Condensing systems are available for interception of oil vapor, vapor phase fluid (for vapor phases) and water collection. Vacuum break can be performed at the opening for the silencer or the connection to the dry air or dry nitrogen system. Nitrogen purge during processing is also available as an option.

CONTROL SYSTEM:

GE Fanuc or Allen Bradley PLC's with large color HMI touch screen with simple recipe-based operation; graphical data display and logging capability.

IMPREGNATION:

Available by dedicated fill drops inside the chamber or by flooded chamber method after drying.

DEVICE CONVEYENCE:

Loading trays / racks are available for small parts; drawers, trolleys and conveyor systems are available for larger parts / transformers. These can be manual or powered movement and can include isostatic pressing where applicable. Drawbridges for trolleys or air pallets are available as are retractable and collapsing conveyors.

