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BA-CBL CABLE OIL PURIFIERS

Baron USA BA-CBL Series purifiers are designed to process electrical insulating oil (KM-22 or similar) for the removal of particulate, moisture, and dissolved gases.

CONTAMINANTS REMOVED:

Water: Suppression of total water content to less than 10 PPMw (mineral oil) by vacuum dehydration and analogous values for polyesters.

Dissolved Gas: Free, emulsified and dissolved air removed to less than 0.5% by vacuum degasification.

Particulate: Inlet and discharge particulate removal to smaller than 0.5 microns using standard pleated paper elements.

KM-22 MEDIUM-VISCOSITY CABLE OIL

Mineral solvent- or Duo-Sol-extracted oil refined using double solvents with subsequent hydrofining. Additive-free. Intended for cooking insulation impregnation compounds for 1-35 kV tight-core power cables.

Parameter	KM-22
Kinematic viscosity at 100°C, mm²/min, min	22
Flash point open cup °C, min	270
Freezing point °C, max	-10
Base number, mgKOH/1 of oil, min	0,03
Specific cubic resistance at 100°C and at least 100 V, Ohm x cm, min	$2,0 \times 10^{13}$
Ash content, %, max	0,007
Dielectric strength at (25±10)°C and 50 Hz AC, mV/m, min	15
Coking ability, max	0,6

STANDARD FEATURES:

Nominal Flow Rate:

Low Pressure Output Version: 150 US gph (568 lph)
High Pressure Output Version: 128 US gph (483 lph).
The flow rate is adjustable from 0 to 100 percent of the rated flow.

Post-Processing Protection:

Storage under vacuum to preserve and enhance oil quality for ultra-low dissolved water and gas content for premium quality oil to feed your filling/charging process.

Vacuum System:

A three-stage chamber for the removal of air, water, and volatile contaminants from the oil being processed. The chamber includes: Oil dispersing cartridges (Stage 1); Oil dispersing tray (Stage 2); Large horizontal cross section chamber for maximum surface area exposure (Stage 3).

Other:

Also included are an automatic oil level control with backup alarm switches for high/low levels; large observation window; discharge pump suction strainer; automatic fiber optic foam control.

These systems are designed for simple and convenient operation through a touch screen. A single button on the touchscreen can start and stop the system. They typically come in small bumper-pull trailers, but can be provided stand-alone or in a straight-truck.

BA-CBL-75-75S

NSF Registered to ISO 9001