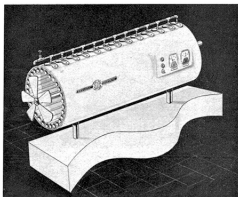




TE-MKII Retro Encabulator



THIS PUBLICATION CONTAINS INFORMATION ON THE FOLLOWING

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ADDITIONAL INFORMATION

TECHNICAL PUBLICATIONS

Order from nearest General Electric Apparatus Sales Office or Distributor.

Copies of this publication..... HBK 8359

Specification Guide Forms (Nonrestrictive) with copy of General Electric Specifications, printed herein..... None

Installation Instructions..... None

Operation and Service Instructions..... None

Service Manual..... None

Overhaul Instructions..... None

MIL-illustrated Parts Breakdown..... None

Recommended Spare Parts List..... None

Renewal Parts Bulletin..... None

PRICE AND ORDER DATA—Refer to Factory.

WHERE TO BUY—See Handbook Section No. 8006

WHERE TO GET SERVICE OR REPAIR—See Handbook Section No. 8009, or contact person listed below.

New information.

CW30, 477 Iahs

Data subject to change without notice

TE-MKII Retro Encabulator

FUNCTION

To measure inverse reactive current in unilateral phase detractors with display of percent realization.

OPERATION

Based on the principle of power generation by the modal interaction of magnetoreductance and capacitive directance, the Turboencabulator negates the relative motion of conventional conductors and fluxes. It consists of a base-plate of prefabricated Amulite, surmounted by a malleable logarithmic casing in such a way that the two main spurring bearings are aligned with the pentametric fan.

Six gyro-controlled antigravim mazelvanes are attached to the ambiflexion wane shafts to prevent internal precession. Along the top, adjacent to the panadermic semi-boloid stator slots, are forty-seven manestically spaced grouting brushes, insulated with Glyptal-impregnated, cyanosylated kraft paper bushings. Each one of these feeds into the rotor slip-stream, via the non-reversible differential tremie pipes, a 5 per cent solution of remanitive Tetraethylodioxamine, the specific pericosity of which is given by $P=2.5C^{1/7}$ where "C" is Cholmondeys annular grillage coefficient and "m" is the distibetical evoluate of retrograde temperature phase dispoition.

The two panel meters display inrush current and percent realization. In addition, whenever a barecst skor motion is required, it may be employed with a reciprocating dingle arm to reduce the sinusoidal depletion in nofer trunions.

Solutions are checked by Zahn Viscosimetry techniques. Exhaust orifices receive standard Elvionometric tests. There is no known Orth Effect.

TECHNICAL FEATURES

- Panadermic semi-boloid stator slots
- Panel meter covers treated with Shure Stat (guaranteed to build up electrostatic charge in less than 1 second).
- Manestically spaced grouting brushes
- Prefabricated Amulite baseplate
- Pentametric fan

STANDARD RATINGS

Rating	Old Catalog No.	New Computer Insensitive Catalog No.
0-1000	606060G6*	125387GLC1†

* Included Qty. 6 NO-BLO† fuses.

† Includes Magnaglas circuit breaker with polykrapolene-coated contacts rated 75A Wolfram.

‡ Reg. T.M. Little Gem Fuse Blower Corp.

ACCESSORIES

1. 8 ounces 5 per cent Tetraethylodioxamine with 0.01N Halogen tracer solution.
2. Interelectrode diffusion integrator.
3. Noninductive-wound inverse conductance control in little black box.
4. Analog to digital converter with reflected levocatoroty BCD output (binary-coded decimal); 7, 4, 2, 1).
5. Quasistatic regeneration oscillator with output conductance of 17.8 millimos.

APPLICATION

Measuring Inverse Reactive Current—CAUTION: Because of the replenerative flow characteristics of positive ions in unilateral phase detractors, the use of the quasistatic regeneration oscillator is recommended if Turboencabulator is used in explosive atmospheres.

Reduction of Sinusoidal Depletion—Before use, the system should be calibrated with a gyro-controlled Sine-Wave Director, the output of which should be of the cathode follower type.

Note: If only Cosine-wave Directors are available, their output must be first fed into a Phase Inverter with parametric negative-time compensators. Caution: Only Phase Inverters with an output conductance of 17.8±1 millimos should be employed so as to match the characteristics of the quasistatic regeneration oscillators.

Voltage Levels—Above 750V Do Not Use Caged Resistors to get within self-contained rating of Turboencabulator. Do Use Sequential Transformers. See HBK-8005.

Multiple Ratings—Optionally available in multiples of (3,141593) and e (2,71828). If binary or other number-base systems ratios are required, refer to factory for availability and pricing.

Goniometric Data—Upon request, curves are supplied, at additional charge, for regions wherein the molecular MFP (Mean free path) is between 1.6 and 19.62 Angstrom units. Curves, relevant to regions outside the above-listed range,

may be obtained from:

Torricelli Barometer Works, Ltd.
Toroidal Turboencabulator Dept.
(TTD-3)
London W.C. 1, England.

Reference Texts

1. Zeitschrift fur Physik
Der Zerfall von Dunge LBM-1
H. Sturtzkampfflieger, Berlin
2. Svenska Techniska Skatologiska Lavarvarken
Dagblad 121—G. Pettersson & W. Johansson, Stockholm
3. Journaux de l'Academie Francaise Numero 606B
T. L'Ouverture, Paris
4. Siskola Poldas
Turboencabulatorskiego
Ogloszenie 1411-7
Bogumiel Wroblowski, Warszawa.
5. Texas Inst. of Turboencabulation
AITE Bull. 312-52, J. J. Fleck, Dallas.

SPECIFICATIONS

Accuracy: ±1 per cent point

Repeatability: ±½ per cent

Drift: less than 3 ft²/hrs-mo

Maintenance Required: Bimonthly treatment of Meter covers with Shure Stat.

Ratings (Standard): None

Ratings (Optional): All

Input Power: Volts—120/240/480/550 a-c

Amps—10/5/2.5/2.2 A

Watts—1200 W

Wave Shape—Sinusoidal

Cosinusoidal, Tangential or Pipsoidal.

Operating Environment:

Temperature 32F to 150F (0C to 160C)

Max Magnetic Field: 15 Mendelssohn

(1 Mendelssohn = 32.6 Statroerstedts)

Case:

Material: Amulite; Tremie-pipes are of

Crapaloy—(tungsten cowhide)

Weight: Net 134 lbs.; Ship 213 lbs.

DIMENSION DRAWINGS

On delivery.

EXTERNAL WIRING

On delivery.

Data subject to change without notice