

Announcing The WING Package DRAFT INDUCER FOR POWER PLANTS

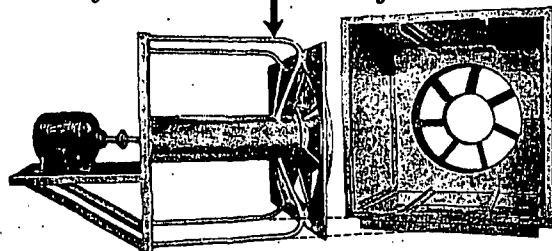


Motor (or Turbine) and Fan in one complete removable unit

In this new high-pressure "Package" Draft Inducer, the motor (or turbine) and fan unit, completely independent of the casing, makes installation considerably easier, and being easily removed, facilitates inspection and maintenance.

ADVANTAGES

1. Big saving in space requirements
2. Compactness permits fewer and lighter structural supports
3. Eliminates field line-up problems
4. Eliminates water cooling
5. Only two supporting bearings
6. Wide flexibility in gas inlets
7. All moving parts quickly and easily accessible
8. Saves on investment and maintenance
9. Low load ratings on natural draft because of Wingfoil Fan and ample free gas travel area



Wing Package Draft Inducers are available in many sizes with either turbine or electric motor drive. For further information write

Wing

L. J. Wing Mfg. Co.

50 Vreeland Mills Road,
Linden, New Jersey

FACTORIES: Linden, N.J. and Montreal, Can.



More BOOKSHELF

preparation in circuit theory, electrical machinery, electronics and ordinary linear differential equations. Material is sufficient for one semester of three lectures and one laboratory course each week.

The author has aimed to develop the student's fundamental concepts of relay switching, networks, introducing Boolean algebra both relay and counting circuits. The author treats power amplifiers of both the dynamo-electric and magnetic types, developing the concept of transfer functions.

The principles involved in the study of feedback controls are introduced as a natural extension of the study of controllers without feedback. Problems included treat points not covered in text; bibliography incorporated.

PRINCIPLES OF ALTERNATING-CURRENT MACHINERY. (Fourth Edition). By Ralph R. Lawrence, Professor Emeritus of Electrical Machinery, Massachusetts Institute of Technology, and revised by Henry E. Richard, Professor of Electrical Machinery, Northeastern University. 9 1/2 x 6, \$7.50, 623 pp. McGraw-Hill Book Co, 330 West 42 St, New York 36, N. Y.

Written for the electrical engineering student, this new edition now contains problems along with the text. It provides a comprehensive analysis of the operation and characteristics of transformers, synchronous generators, synchronous motors, polyphase induction, single-phase induction, series and repulsion motors. Other subjects covered in somewhat less detail are the induction generator, synchronous converter and mercury-arc rectifier.

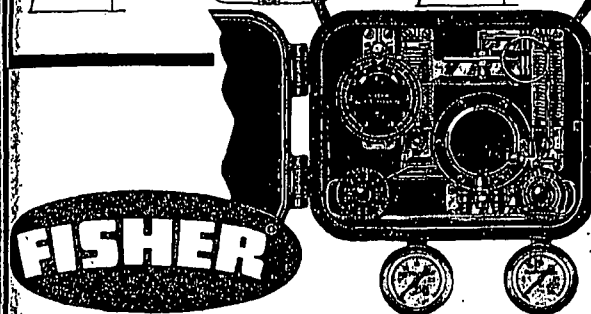
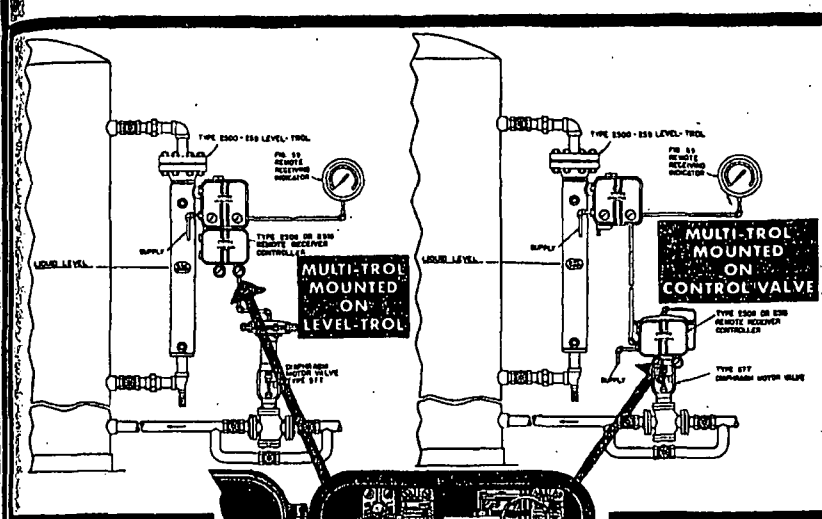
The treatment throughout is strongly analytical, designed to give the student a sound foundation in the way each machine works and the reasons behind special characteristics. True understanding is facilitated by deriving formulas and working equations from basic theory.

The author's approach is through the transformer since the student can gain greater appreciation of generators and motors by first mastering the principles of magnetic induction as applied here.

SYNCHROUS SELF-SYNCHRONOUS DEVICES AND ELECTRICAL SERVO-MECHANISMS. By Leonard R. Crow. 222 pp, 9 x 6, \$4.20. Scientific Book Publishing Co, Vincennes, Ind.

One of the aims in preparing a book of this nature is to cover all the important ideas and concepts that are needed for the understanding of self-synchronous control systems. And this the author has done. The book is timely in view of the current increase in use of synchros and self-synchronizing devices by both industry and the armed forces.

The author introduces his subject with a chapter on generalized information on synchros; construction, bearings, position control, etc. From there he steps into field of single-phase synchronous drive devices, the synchro control transformer, differential synchros, helpful experiments and so through magnetics and other saturable core electrical servomechanisms.



Type 2516 Multi-Trol with Re-set

Dual Control LEVEL-TROL

VERSATILITY OF MOUNTING FOR EASY "ON THE SPOT" ADJUSTMENT

This new Fisher Controller consists of a primary pilot (Standard Fisher Series 2500 Level-Trol—used for indicating or controlling level) whose output is transmitted by pneumatic link to secondary pilot—the Multi-Trol.

MULTI-TROL FEATURES

- 1—Available with reset (Type 2516) or without reset (Type 2506). (Reset may be added to units originally furnished without it.)
- 2—Proportional band adjustment is incorporated into the remote receiver controller with a range of 10% to 200%.

3—Level control point is adjustable manually in the case by level set adjustment. For remote set—provided with connection for remote air loading.

4—Pressure balanced type of relay provides intermittent bleed and gives accurate stable control.

5—Pilot may be changed from a direct acting to a reverse acting unit or vice versa, thru the use of switch plates.

6—Pilot may also be changed from proportional action to two position action or vice versa, by repositioning a switch plate.

Write for Bulletin F-2506

FISHER GOVERNOR COMPANY, Marshalltown, Iowa

WORLD LEADER IN RESEARCH FOR BETTER PRESSURE AND LIQUID LEVEL CONTROL