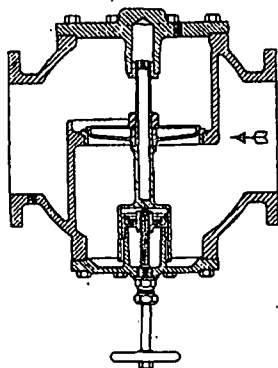


CONDENSER RELIEF VALVES

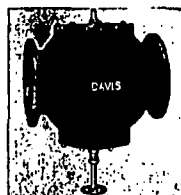


A DAVIS Specialty!

DAVIS specializes in building atmospheric exhaust relief valves to meet the modern needs of power plants for protective equipment. The Davis No. 110 Relief Valve, shown in cross-section above, is one of the several widely-used Davis designs that give engineers what they want for condenser protection.

No. 110 features a quick opening and cushioned closing action. The bronze-to-bronze contact valve is water-sealed through inlet and overflow pipe connections in the body. It holds tight under high vacuum to prevent air infiltration into the condenser and relieves to atmosphere at a fraction of a pound pressure when for any reason the vacuum is lost. Shown here with hand lift at bottom, it is also available with hydraulic lift.

The Davis line of exhaust relief valves is complete. Sizes from 6" to 48". Horizontal, vertical, or angle body patterns. For detailed information, ask for Bulletin No. 101A.



No. 110 Exhaust Relief Valve

Left — Davis has brought the atmospheric relief valve to a high point of perfection, with a combination of engineering features not found elsewhere.



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America's most powerful aircraft jet engine now in production, General Electric's torpeda-shaped TC-190, which is capable of producing about 10,000 hp at the top speed of the new planes being built for its application, has been announced by U. S. Air Force and the company's aircraft gas-turbine divisions. Known as the Air Force J-47A, the new engine is a "greatly advanced" development of the company's axial-flow TC-180 (J-35) jet engine which is the power plant of ten different types of military jet-propelled fighters and bombers.

Building program at the Municipal power station in Jamestown, N. Y., in connection with the \$4,000,000 expansion of electrical production is expected to get under way this fall, according to Clayton O. Johnson, superintendent of Dept. of Public Utilities. Johnson said that there is no detailed plan available yet, although plans of the building to house the new power units purchased by Board of Public Utilities have been made.

Brown Instrument Co., Philadelphia, announces a \$2,500,000 expansion program that will add more than 60% to its present manufacturing space and a proportionate increase in employment. The program includes construction of a 4-story addition to the main plant at Wayne Junction. Building began in May and first phase of the project is scheduled for completion next March. Foundation and footings of the new wing are designed so that four additional floors may be added at a later date.

American Standard Practices for Stationary Diesel Engines is a new book that has been adapted for those who buy or use or specify stationary diesel engines of American make, in Spanish speaking countries. The new book is a translation of the text published two years ago by Diesel Engine Manufacturers Assn. of Chicago, for use in the U. S. Before having the 1946 edition translated into the Spanish language, the association revised it to bring it up to date and to make it suitable for use in Latin American countries. Chief among such revisions are dropping of the tolerance in fuel consumption guarantees and conversion of weights and measures to metric system.

Two revisions in the book, *Standard Practices for Stationary Diesel Engines*, have been announced by Diesel Engine Manufacturers Assn. Formal notice of these revisions is being given through a printed page, which may be inserted in the chapter titled "Standard Performance and Equipment." One change is addition of a new curve giving altitude ratings for turbo-charged diesel engines. Altitude as well as fuel level is given in meters as well as feet, to make the curve adaptable to the new Spanish edition. Second revision is omission of fuel tolerance of 3%. The association states that the fuel tolerance is being omitted from its new book, *Marine Diesel Standard Practices*, which has just come off the press. "All this means," the new insert page states, "that few, if any, engine builders will include a tolerance for fuel in the future."

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