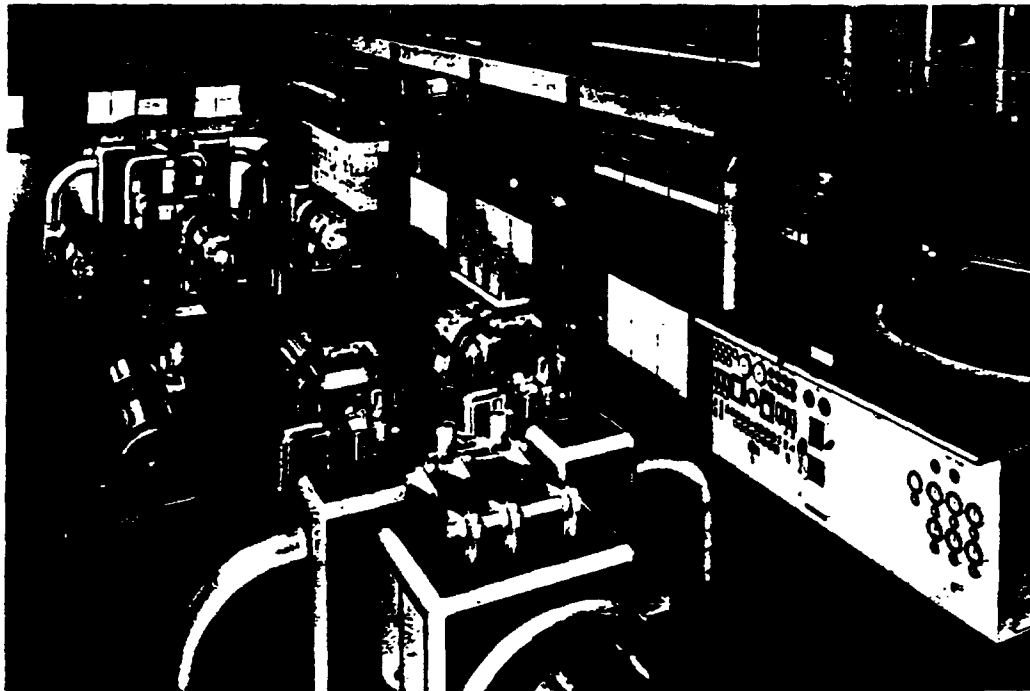
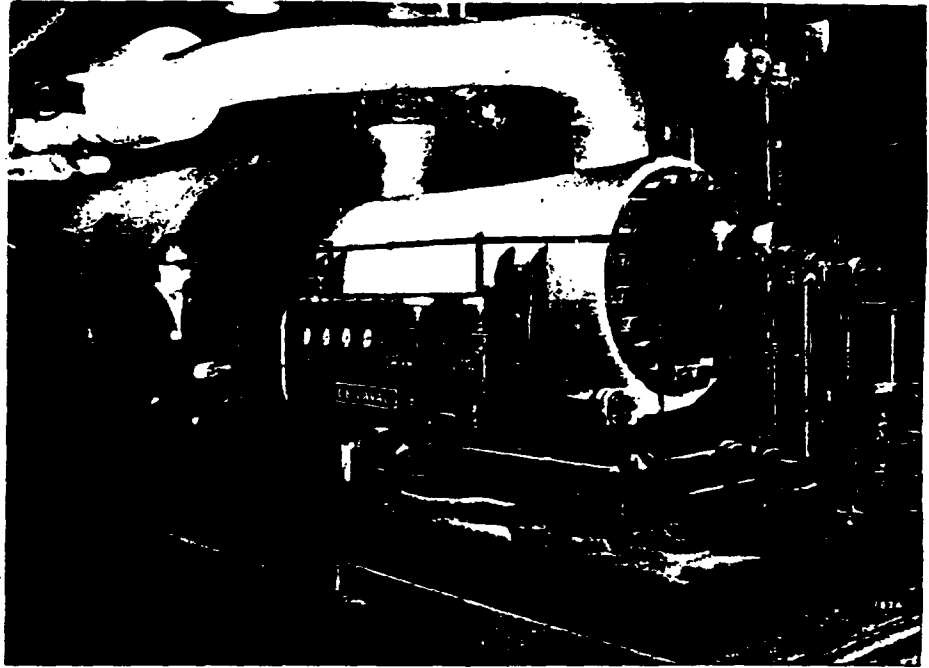


Barrel type boiler feed pumps

De Laval barrel type boiler feed pumps meet all the requirements of high pressure, high temperature boiler feed service. The distinctive De Laval design, which features double volute diaphragms, individual diaphragm bolting, positive sealing between suction and discharge chamber and bare shaft construction, assures years of reliable operation with a minimum of maintenance.

This De Laval eleven-stage barrel type boiler feed pump is on the line in the Astoria station of the Consolidated Edison Company of New York.

These six-stage De Laval barrel type boiler feed pumps are in the Midland, Michigan plant of the Dow Chemical Company.



TX0182

STEAM TURBINES

One of America's major complexes for the manufacture of steam turbines is in the Trenton, New Jersey, plant of Delaval's Turbine Division. Rotating equipment built in this huge facility is in service worldwide in petroleum refining, the chemical and process industries, and utilities.

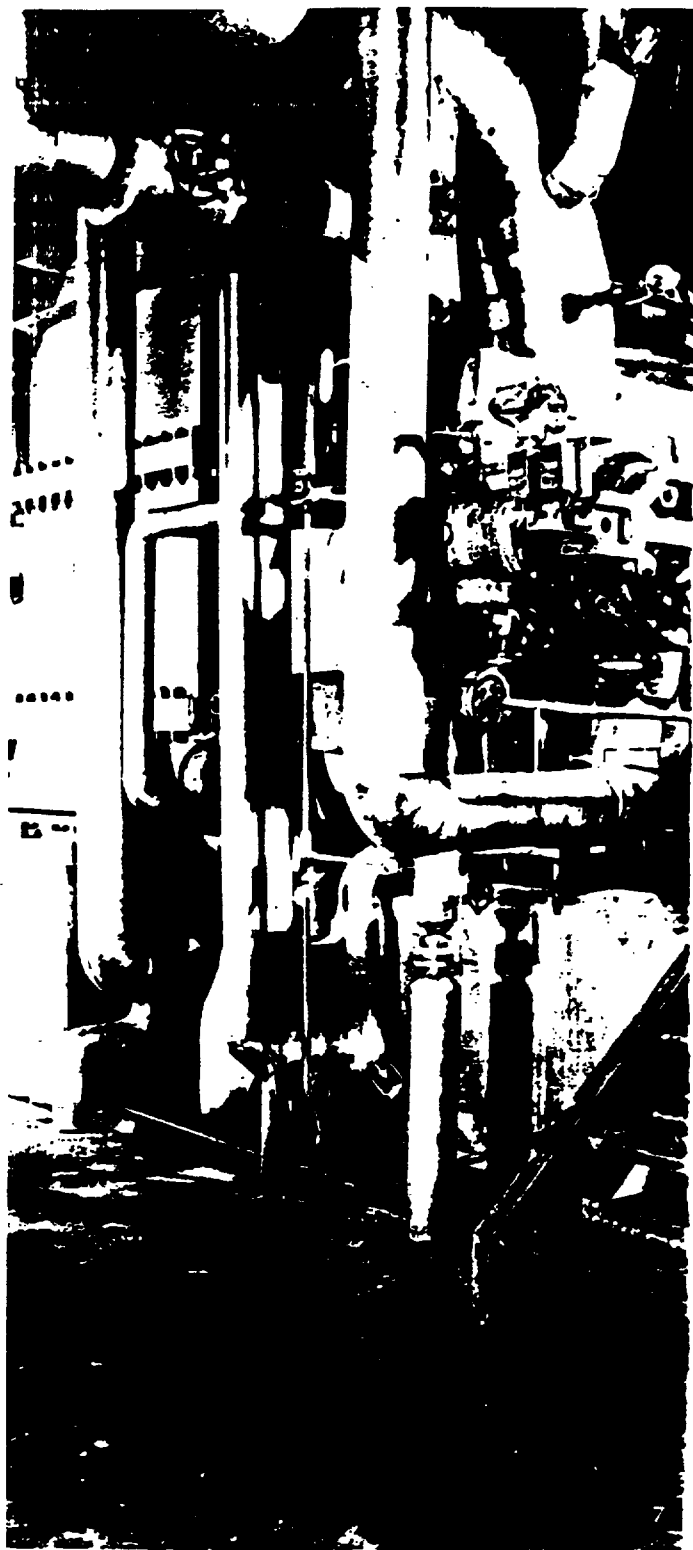
Process turbines are available from Delaval up to 150,000 HP (112,000 KW) for use in reformers, cat crackers, LNG plants, ammonia plants and other very large petrochemical installations. Single and double flow condensing, single flow non-condensing, automatic extraction and expander types are all made by Delaval.

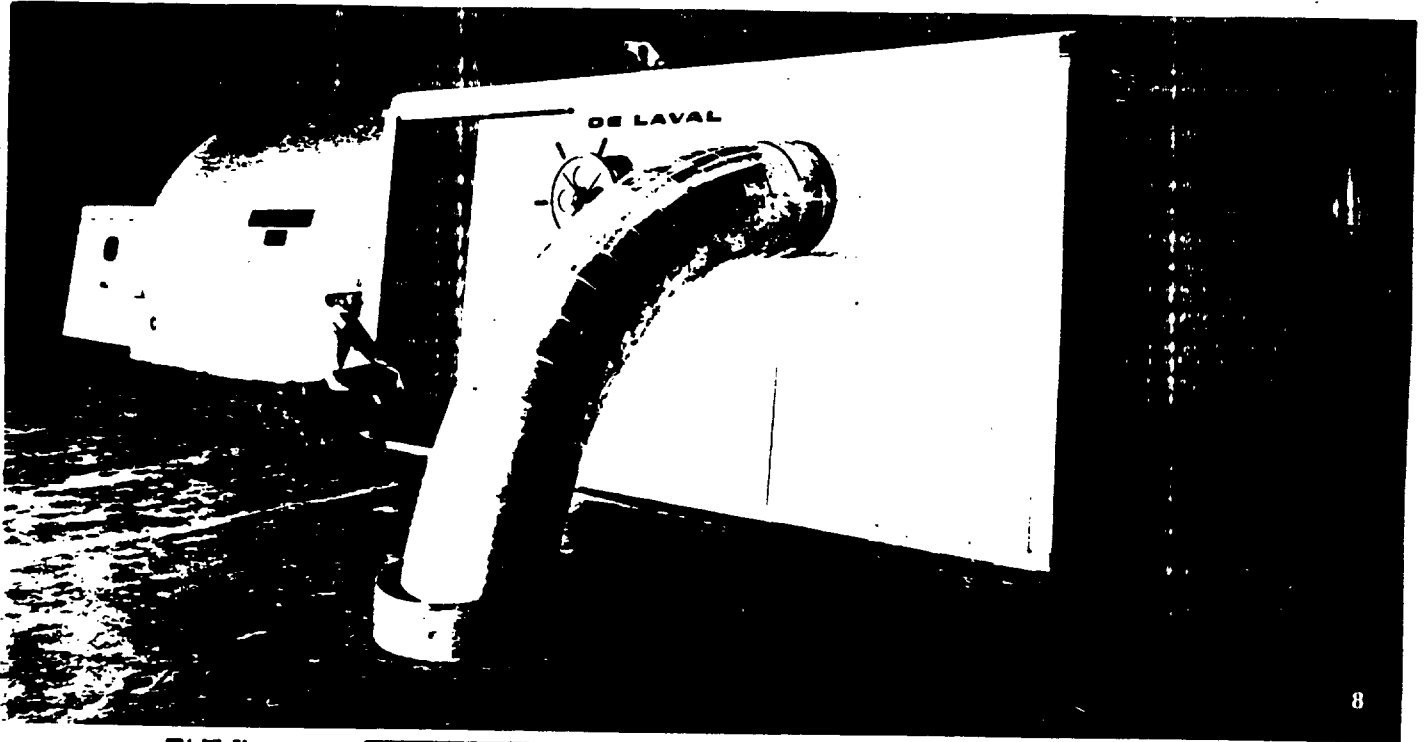
In large electrical utility stations, Delaval steam turbines of over 43,000 HP (32,100 KW) drive supercritical boiler feed pumps. Turbine generators over 150 MW are offered both for conventional cycles and combined cycles, for use in utility, municipal and industrial service.

Delaval steam turbines are characterized by reliability, dependability and trouble-free performance — end results of a company commitment to advanced design, high standards of manufacture, and adherence to rigorous quality control procedures.

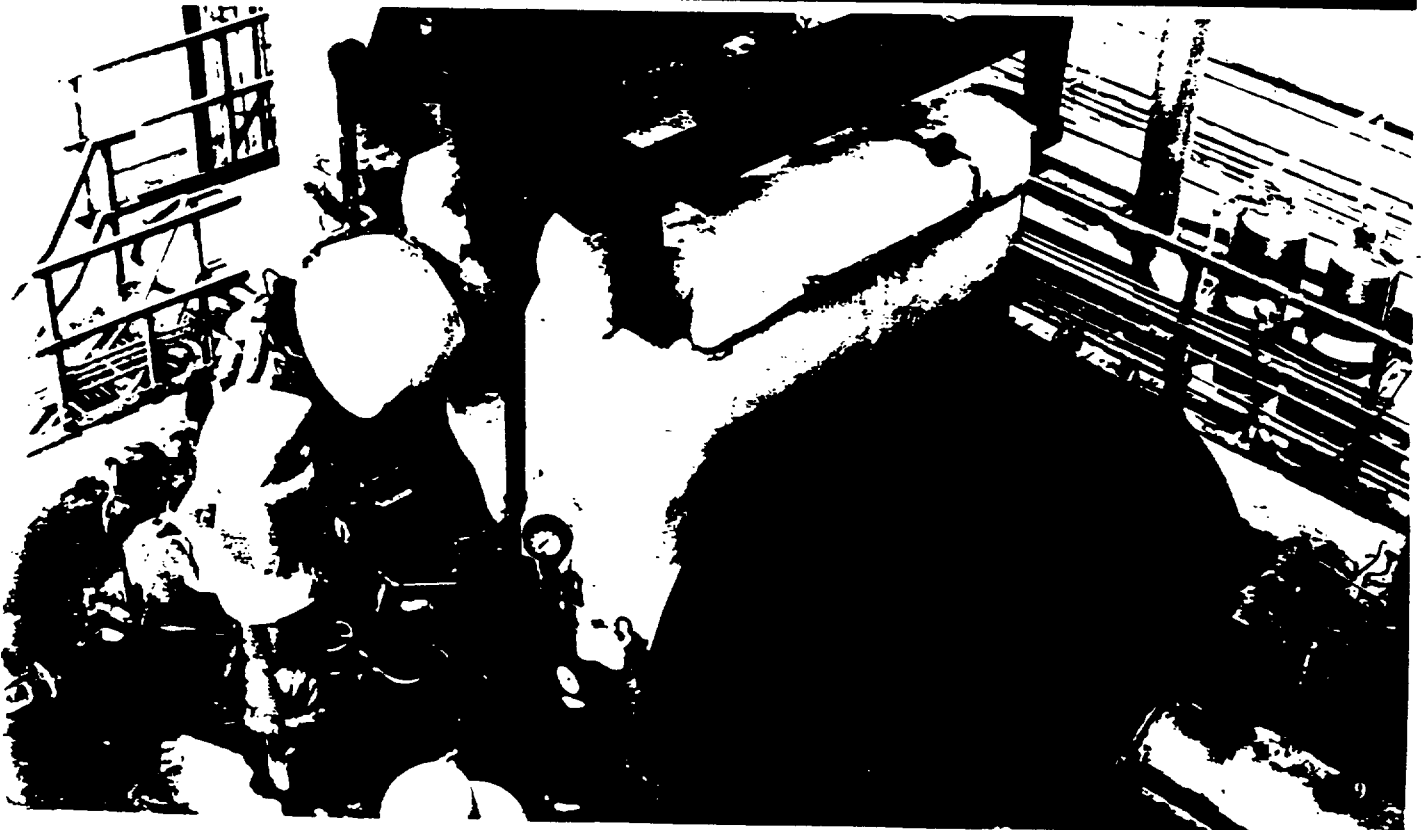
Figure 1. One of many Delaval auxiliary drive turbines and pumps installed in a Texas utility. This unit is rated at 10,050 BHP, 12,500 KW at 6000 RPM. It has provision for 1500 psig (10009.5/246 kg/cm²g) 340° C secondary steam source.

Figure 2. This is a 105 Delaval non-condensing automatic extraction turbine, equipped with a 1000 RPM governor. It is rated at 10,050 BHP and 12,500 KW.





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