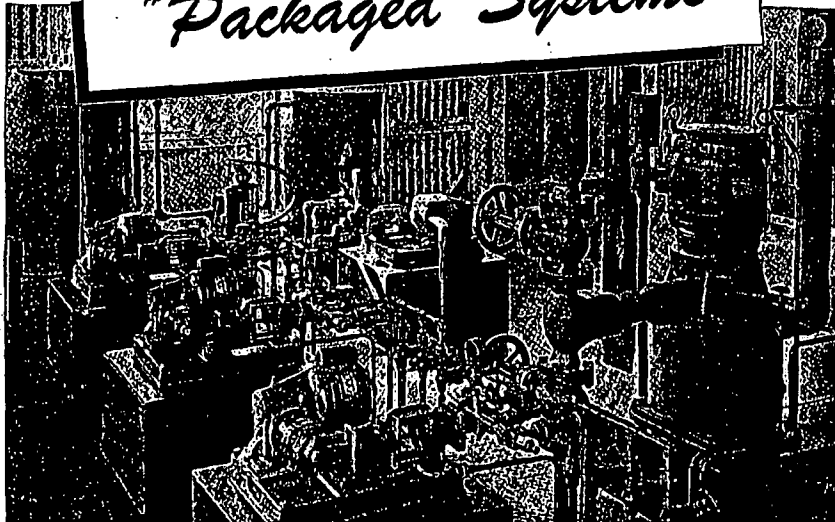


"Packaged" Systems



for BOILER WATER CHEMICAL TREATMENTS Get the Complete Story at Booths 674-675

The necessity is well recognized for feeding various chemicals to boilers for the prevention of scale and to control alkalinity, remove dissolved oxygen, protect against embrittlement and insure against corrosion and pitting caused by impurities in the boiler feed water. Practically all competent authorities agree that two distinct methods for conditioning boiler water are necessary.

First, sodium sulfite should be fed continuously to the suction side of the boiler feed pump to react with and remove any residual dissolved oxygen in the boiler feed water. This is necessary because oxygen in the water will act to corrode and pit the boiler feed water pump, economizers and boiler drums and tubes.

Second, other internal treating chemicals should be fed directly into the boiler drums to precipitate

incrusting solids, to control alkalinity, and to give a chemical balance in the boiler to prevent corrosion and embrittlement.

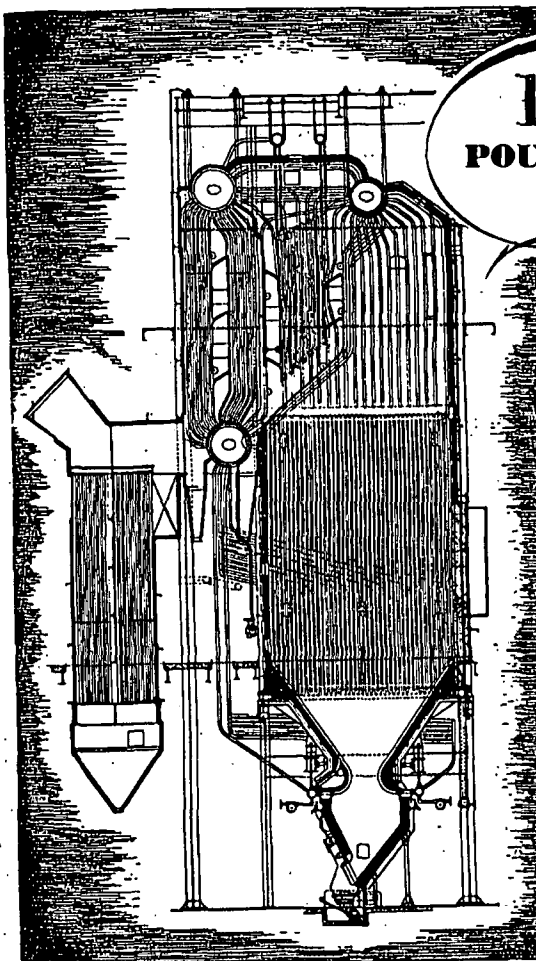
Typical Milton Roy "Packaged" Systems for boiler water treatment are illustrated above. These systems are complete, include all necessary solution tanks, covers, gage glasses, low-level cutouts and alarms, motor starters and pumps as required. Automatic electronic controls can be supplied to operate pumps at speeds proportional to feed water flow as measured by flow meters. Systems are available to handle all treating chemicals and to meet all capacity and pressure requirements.

See us at Grand Central Palace, Booths 674-675 for complete information, Bulletin 4811 and Technical Paper No. 51 "What the Power Engineer Needs to Know about Chemical Feed Systems."

MILTON **Roy** COMPANY



1305 E. MERMAID AVE., CHESTNUT HILL, PHILA. 18, PA.



**185,000
POUNDS OF STEAM
PER HOUR**

Purchaser—
Pennsylvania Electric Company

Location—
Front Street Station, Erie, Pa.

Number of Boilers 2

Pounds of Steam/Hr. . 185,000

Design Pressure 750 PSI

Operating Pressure . . 675 PSI

Total Temperature . . 835° F.

Air Preheater—
Erie City Tubular—2 Pass

Water Walls—
Erie City Bare Tube

Temperature of Air for
Combustion—530° F.

Four additional Erie City Units at higher
pressure and temperature are now in pro-
duction for the same company.

STEAM POWER PLANT EQUIPMENT

Complete Steam Generators • Type C 3-Drum Boilers • Type VL
2-Drum Boilers • The "Economic" Boiler with or without Water
Walls • Welded H. R. T. Boilers • Welded Steel Heating Boilers •
Coal Pulverizers • Underfeed Stokers and Welded Pressure Vessels
for the Process Industries.

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