



Foster Reducing Valves, Relief Valves, Vacuum Breakers and Liquid Level Valves are available in all-stainless construction to resist corrosion and avoid contamination.

All valve parts in contact with fluids may be had in a wide range of corrosion resisting alloys.

For corrosion resistant, non-contaminating service, plus the usual Foster dependability and maintenance-free performance, it will pay you to tell your Foster Representative your requirements.



PRESSURE REGULATORS • RELIEF AND BACK PRESSURE VALVES • CUSHION CHECK VALVES • FAN ENGINE REGULATORS • PUMP GOVERNORS • TEMPERATURE REGULATORS • FLOAT AND LEVER BALANCED VALVES • NON-RETURN VALVES • VACUUM REGULATORS OR BREAKERS • STRAINERS • SIRENS • SAFETY VALVES • FLOW TUBES

FOSTER ENGINEERING COMPANY • UNION, N. J.

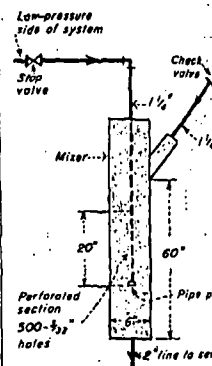
More PLANT PROBLEMS

prevent backflow from the water. Fit tank with a vent discharge doors.

Lower sketch, p 134, shows two sets of spray nozzles. Upper discharges water downwards, lower discharges ammonia upwards. The water absorbs the ammonia gas when the streams meet in the tank.

Size inlet and outlet pipes to maintain the required water level. Check with local authorities for disposal of an ammonia solution into a public waste system, if not, it will be necessary to neutralize the solution to meet health and sanitation requirements.

H. B. WAYNE Brooklyn, N. Y.



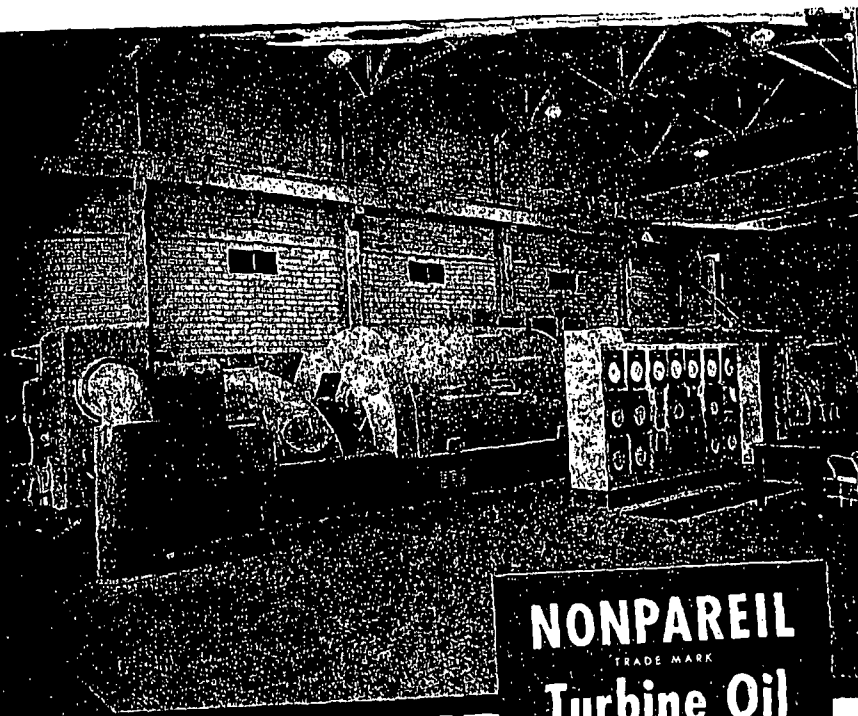
USE A MIXER to prepare the ammonia water solution. Connect to low-pressure side of refrigeration system, and to the water supply and sewer. Entire charge can then be mixed with water and discharged to sewer.

Sketch shows a typical mixer and dimensions of various parts for a system containing 2000 lb. of ammonia. Check to see if there are any laws in your area governing the installation and construction of such devices.

H. A. KAISER Glendale, N. Y.

REMEMBER, liquid ammonia must be dumped, not vented as a gas. To vaporize the ton of ammonia TS has in his plant, about 1.2 million Btu are required. He cannot supply heat to his system that quickly.

Gas pressure in system can be used to force liquid ammonia to water tank but if a broken line is expected, he must use a pump for this job. Ammonia is so soluble it dissolves completely.



NONPAREIL
TRADE MARK
Turbine Oil

Nothing succeeds like service!

This turbine, one of the largest industrial units in the Midwest, was recently installed by a leading paper mill. The decision of mill officials to lubricate the new turbine with Nonpareil Turbine Oil was based on their own experience with this outstanding product.

Beginning in 1941 in one unit, Nonpareil has since been put into additional turbines; and, today, it lubricates all turbines in this big mill. Over the period of 12 years, it has not been necessary to replace any of the original fills of Nonpareil because of lubricant deterioration or lubrication trouble. Oil systems have stayed clean. Oil acidity has stayed below 0.07 mg. KOH/gm.

In this mill, as in power plants throughout the Midwest, Nonpareil has sold itself into one turbine after another. That success has been the result of superior turbine

lubrication service. Service records of Nonpareil cover up to 25 years' continuous operation of individual units on original fills of oil. Moreover, this unique lubricant carries a written guarantee that it will last as long as the turbine it lubricates and that its neutralization number will stay below 0.15 mg. KOH/gm.

The Standard Oil lubrication specialist serving your section of the Midwest will be glad to show you lubrication records of Nonpareil in installations similar to your own. You can contact this specialist by phoning your local Standard Oil office. Or, write: Standard Oil Company (Ind.), 910 S. Michigan Ave., Chicago 80, Illinois.

STANDARD OIL COMPANY



(Indiana)