

AFCO 9578 / TR-150

GENERAL DESCRIPTION:

AFCO 9578 T R-150 is a clear, colorless liquid intended for use as a neutralizing agent for condensate systems. It's primary function is to protect condensate return piping and boiler make up equipment against carbonic acid attack. Carbonic acid is formed by the dissolution of carbon dioxide in condensate.

Carbon dioxide can either be present as a natural gas in fresh make up water or can result from the decomposition of bicarbonates which are normally present in natural waters and are often times a part of the basic formulation of boiler chemical additives.

PHYSICAL PROPERTIES:

Appearance	Clear, colorless liquid
Odor	strong ammonia odor
Density	8.00 lbs/gal

DOSAGE LEVELS AND CONTROLS:

Many factors will effect the quantity of carbon dioxide dissolved in condensate including natural CO₂ of fresh water, bicarbonate level of make up water, internal chemical treatment of boiler water and external pre-treatment of boiler make up water. Mechanical design can also greatly influence the amount of carbon dioxide dispersed in condensate including flow rate of condensate and piping volume capacities.

Sufficient AFCO 9578 should be used to render a condensate pH between 7.3-8.0. In USDA inspected plants, the ammonia residual in the condensate should not exceed 25 ppm. 1 pint AF CO 9578 per 1000 gallons raw water yields approximately 25 ppm ammonia.

The preferred injection point for AF CO 9578 is directly into the boiler. AFCO 9578 will volatilize with the steam, condense in the condensate, return to the boiler and continue the cycle again and again until complete dissipation through acid neutralization occurs.

NOTE:

AFCO 9578 is USDA accepted for treating boilers, steam lines, where the steam produced may contact edible products and/or cooling systems where the treated water may not contact edible products.

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