



Colloid-A-Tron scores major successes with Belgian sugar companies

Scaling can be a major problem in the manufacture of sugar from Sugar Beet. In Belgium, however, Colloid-A-Tron (CAT) units have been used in seven different sugar factories to reduce or eliminate scaling. The sizes of the CAT units vary from ½" units up to 14". Altogether 17 CAT units have been installed and the average size has been over 4". On the attached diagram the locations of the various CAT units are shown.

The CAT units have been installed in washing water, and even in 14% syrup solutions. Many effects including better crystallization of the sugar itself have been claimed. The sugar factories concerned are located at:

BRUGELETTE, DONSTIENNE, GENAPPE, NAVEAU, OREY, TIRLEMONTTOISE and WANZE

In addition to the installations shown on the schematic drawing other units have also been placed as follows:

- on the cutters
- on the refrigeration system of the turbo-alternators
- on the outlet of the BIOMETHANE Plant

BRUGELETTE:

1 x 6" unit and 1 x 4" unit at the entrance to the evaporation system.

DONSTIENNE:

1 x 6" unit on the inlet to the Evaporation System.

GENAPPE:

1 x 4" on the outlet from the purifying section going towards the washing section.

NAVEAU:

3 x ½ units installed on cookers manufactured by Krupp Buckawolf.

1 x 4" unit on effluent from Biomethane Plant.

3 x 3" units on refrigeration of the turbo-alternators, two manufactured by ACEC and one by Bellis.

2 x 6" units on the second stage carbonation plant.

2 x 2" additional units.

OREY:

1 x 6" unit on the outlet from the washing system.

1 x 8" unit at the inlet to the evaporation system.

1 x 5" unit between the 3rd and 4th ovens.

TIRLEMONTTOISE:

2 X 2" units, 2 x 3/8" units, 1 x 1 ½" unit. Position unknown at present.

WANZE:

1 x 14" unit on the inlet to the Evaporation System

