

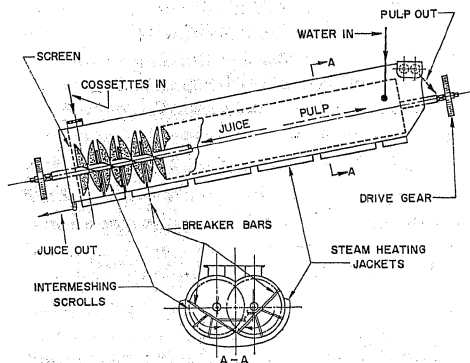
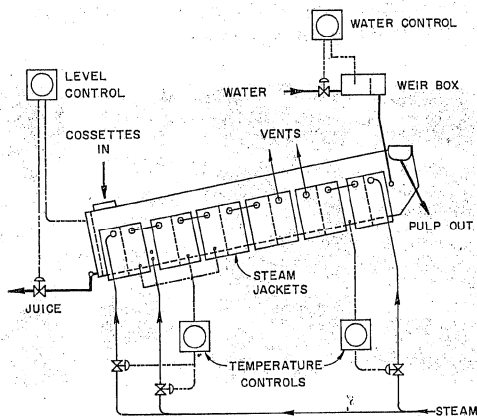


Figure 6-12a. Flow diagram of a Silver D.d.S. slope diffuser. (Courtesy, Silver Engineering Works, Inc.)

Figure 6-12b. Control diagram for a Silver D.d.S. slope diffuser. (Courtesy, Silver Engineering Works, Inc.)



completely enclosed and the inside can be viewed through a number of Plexiglas windows.

The juice and cossette mixture is heated by steam jackets, which are arranged in sections and which cover more than half of the circumference of the trough. The diffusion juice draft is regulated through the addition of supply water which is controlled by the slice rate. The juice level at the cossette end is kept constant by a level controller.

Table 6-8 shows the dimensions of available D.d.S. diffusers.

Table 6-8 Dimensions of Silver D.d.S. Slope Diffusers

Nominal Capacity, tons per day	1600	2000	2500	3200	4000	5000
Height	26'-3"	27'-2"	28'-4"	29'-8"	31'-10"	35'-10"
Width	18'-0"	19'-3"	22'-6"	23'-10"	27'-6"	28'-10"
Length	68'-2"	70'-11"	72'-0"	72'-8"	75'-1"	87'-4"
Main Scroll Diameter	80"	90"	102"	115"	130"	144"
Number of flights	2	3	3	3	3	3
Final rpm of main scroll	1.27	.84	.85	.84	.85	.84
Connected hp	72.5	75	97.5	145	195	245