7.2 Fans (Cont'd.)

those of the Air Moving and Contitioning Association, Inc. Fans are usually of two main types, centrifugal or axial. In a centrifugal fan the outlet is in a plane normal to the inlet. In the axial fan, the air leaves in the same direction that it enetered. (See Fig. 21.)

7.2.1 Centrifugal Fans. A centrifugal fan consists of a fan rotor or wheel within a scroll-shaped housing, and includes driving-mechanism supports either for belt drive or direct connection.

Centrifugal fans are classified according to the type of rotor blade used. The main types of centrifugal fan wheels are forward curved, radial blade or paddle type, and the backward curved blade. Combinations of these three basic types can and have been made.

Centrifugal fans are also classified according to the rigidity of construction.

7.2.1.1 For use with the fabric bag filter collectors recommended herein a centrifugal exhauster with a radial or backward-curved wheel is recommended. For detailed description of these units, refer to ANSI Z9.2-1971, para. 7.2.1, page 4

7.3 Fan installation.

7.3.1 The exhauster preferably should be installed on the clean-air side of the collector for the following advnatages:

(1) Wear is a minimum since it does not handle abrasive dust.

(2) It can be a high-efficiency, backward-curved blade

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