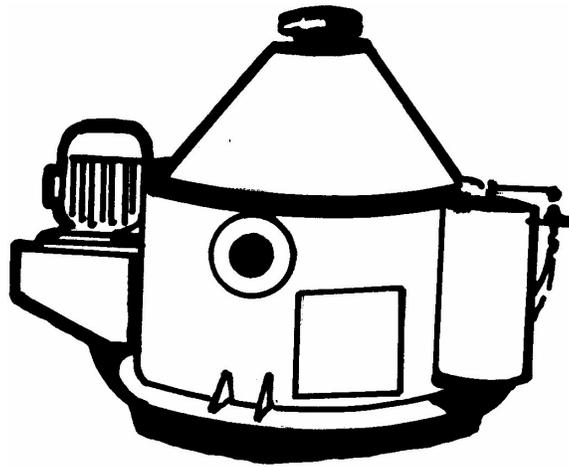


CENTRIFUGAL DEWATERERS



A. Original Equipment Manufacturer (OEM)

The following is a listing of the OEMs for centrifugal dewatering machines. Local dealers should be contacted for specific needs and details.

Manufacturer
Bird Machine Company
Conn-Weld Industries, Inc.
Eimco Process Equipment
Guyan Machinery, Inc.
Krebs Engineers
Sweco

“X” indicates product availability.

Information from the manufacturers indicate that currently there are no noise controls incorporated into the new equipment of this type.

Section B provides information on retrofit noise controls.

B. Retrofit Noise Controls

The effectiveness of noise controls is dependent upon the quality of both the acoustic materials and installation techniques.

If a retrofit kit is unavailable, the materials may be purchased in bulk (see Appendix C for suppliers).

The majority of noise associated with centrifugal dewatering equipment is produced by the high-speed circulating internal parts and pumps.

1. Acoustical Enclosure Around the Equipment - The enclosure can be either a pre-fabricated metal or lead-vinyl curtain type. The type of enclosure chosen will generally be determined by the equipment's dimensions, cost, and maintenance requirements.

Estimated Cost - The estimated cost of a pre-fabricated metal enclosure could range from between \$10,000 for a single unit enclosure to above \$40,000 for a multi-unit enclosure. The cost of installing flexible lead-vinyl curtain around the perimeter of the equipment could range from between \$5 to \$20/ft².

2. Acoustical Enclosure for Operators in the Area - Operator enclosures can be purchased pre-fabricated with acoustical windows/doors, heating, air-conditioning, lighting, and communications already designed into the enclosure. An alternative to purchasing would be to construct an enclosure using common building supplies.

Estimated Cost - The cost of a pre-fabricated metal operator enclosure could range from between \$3,000 to \$4,000 for a one-person enclosure with minimal amenities to above \$15,000 for a multi-person metal enclosure. Construction of an operator enclosure using common building supplies should cost between 30%-70% of a pre-fabricated enclosure.

C. Alternative Technology

None identified at this time.