

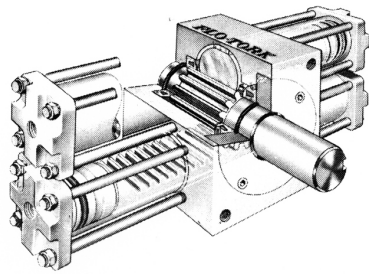
Application Bulletin

AP 335
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HYDRAULIC ROTARY ACTUATOR DUMPS METAL SHAVINGS

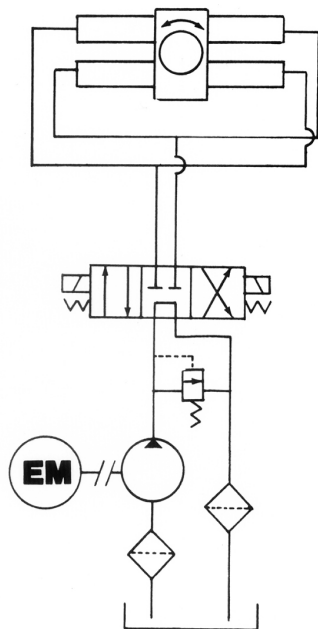
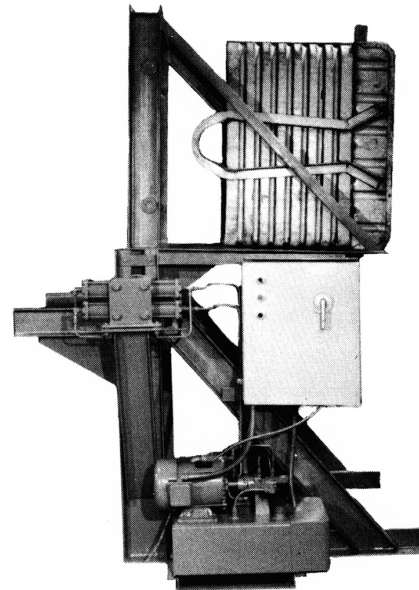
How It Operates

Each unit produces 28,000 lb-in torque at 2800 psi. A 2 gpm pump provides all the speed necessary.



The Actuator

This application features a standard Moog Flo-Tork hydraulic rotary actuator, MODEL 30000-180-00-ET-MS13-RKS-N. The actuator is equipped with ball bearings, heat treated racks and a one-piece heat treated pinion and shaft.



The Application

The trash dumper, manufactured by the Plan-It-Company of South Bend, Indiana, is designed to dump steel shavings from a trash container without being touched by the operator. The dumper is geared to today's high speed production lines since machines do not have to be taken out of service during scrap removal. The actuator is attached to the scrap dumper and will rotate and dump up to 6000 lbs. of material in under 8 seconds.

Advantages

The completely enclosed design of the actuator protects all moving parts from fine metal scrap. The operation is geared to the high speed production necessary in today's plants.