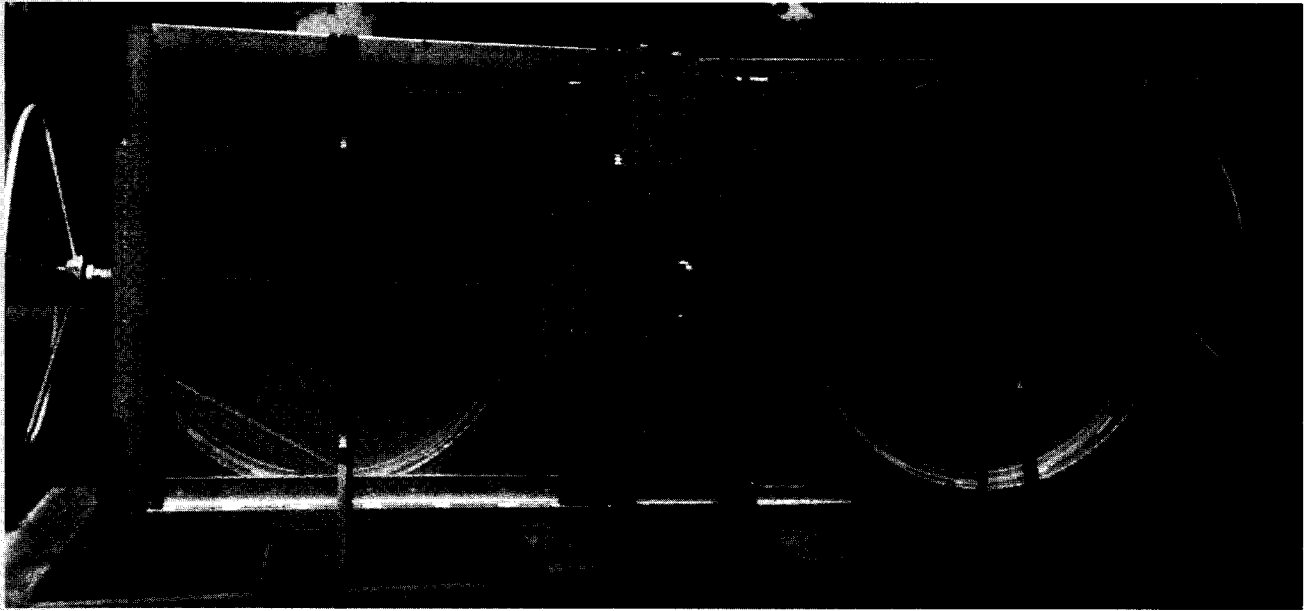


Guillotine/Slide Gate Dampers



AHS guillotine/slide gate dampers are heavy duty, high efficiency, and dependable. These dampers are designed for open-closed operation. They are customized to restrict gas flow to a specified maximum compatible with the requirements of the application. They can be made for a temperature range from - 60 to 2200°F. The drive can be electric, pneumatic, hydraulic, or hand operation. The drive train consists of a drive shaft with chains and sprockets for the larger models, or an ACME rod and nut for the smaller. In addition, a handwheel, as pictured above, can be incorporated. Cylinder drives are used for the pneumatic and hydraulic applications.

There are two degrees of operation: Shutoff, and Zero Leakage.

Shutoff/Low Leak – An on-off damper with a specific maximum leakage as required by the purchaser's determination. Some of the applications are:

- Most negative pressure systems
- Low leakage on line pressure requirements
- Where zero leakage is not required

Zero Leakage – An isolation damper which almost always requires a purge air system (including fan and isolation valve as a minimum) to pressurize a cavity in the damper seal area to a pressure above the gas being isolated. Some of the applications are:

- Fan outlets
- Scrubber inlets and outlets
- Stack isolation
- Reheat generator isolation
- Precipitator inlets and outlets

AHS isolation dampers make problem areas accessible for maintenance and inspection without unit downtime. Production levels are maintained.