

# GR SERIES

## UNIDIRECTIONAL ROUND GUILLOTINE DAMPER

### DESCRIPTION

- Gas valve, with round damper design.
- Unidirectional guillotine damper.
- Various construction materials and seal and stuffing materials available.
- Face-to-face distance in accordance with **Arnett** standards.
- The body of this type of damper is usually mechanically welded and built with sheet metal of different thicknesses with reinforcements and structural profiles to avoid possible deformations. The body is approximately twice the height of the conduit, to be able to house the gate inside it when it is in the open position.

### GENERAL APPLICATIONS

This knife gate damper valve is suitable for working with a wide range of airs and gasses. It is especially indicated as an insulation element to allow inspections, maintenance and repairs in the ducts.

Designed for applications such as:

- Cement plants.
- Steel plants.
- Electrical power stations.
- Chemical plants.
- Energy sector.

### SIZES

From DN125 to DN3000.

*Other DN's on request.*

### WORKING PRESSURE ( $\Delta P$ )

The standard maximum working pressure is <0.5 bar and temperature is 600°C.

*Other pressures and temperatures on request.*

### FLANGES

Flange and inter face connections are according to the standard of **Arnett**, but can also be manufactured to the requirements of the customer on request.

### TIGHTNESS

Standard tightness rate for **Arnett** is between 98.5% and 99.5%. 100% tightness can also be obtained (upon request) using systems sealed by air injection and double gates.

### DIRECTIVES

Pressure equipment:  
**(PED) ART 4.3 /CAT.1.**  
Explosive Atmospheres:  
**(ATEX) CAT.3 ZONE 2 and 22 GD.**

*For further information on categories and zones please contact **CMO Valves**. Technical-Commercial Department.*

### QUALITY DOSSIER

- The tightness of the seat area is measured with gauges.
- Material and testing certificates can be supplied on request.

