

Knife-gate Valves

Actuated Knife Gate Valves for various applications.

Wafer Knife Gate Valve

This model knife gate is a uni-directional wafer valve designed for general industrial service applications. The design of the body and seat assures non-clogging shutoff on suspended solids in industries such as:

Pulp and paper	Working pressure
Power plants	
Wastewater treatment plants	DN 50 to DN 250: 10 kg/cm ²
Chemical plants	DN 300 to DN 400: 6 kg/cm ²
Food and Beverage	DN 450: 5 kg/cm ²
Bulk handling	DN 500 to DN 600: 4 kg/cm ²
Mining	DN 700 to DN 1200: 2 kg/cm ²
etc.	

Standard Flange Connection

Sizes

EN1092 PN10 and ANSI B16.5 (class 150)	DN 50 to DN 1200 (larger diameters on request)
Note: other flange connections (on request):	
EN1092 PN6/16/25	
BS D and E	

Hopper Shape Knife Gate Valve

This model knife gate is a wafer valve designed for industrial bulk handling service applications (powdered and granular products). The special design of the body allows for easy passage of the fluid and makes it ideal for use as silo outlet valve. This Knife Gate Valve is widely used in industries such as:

- Power plants
- Food and Beverage
- Chemical plants
- Mining
- etc.

The Knife Gate Valve is normally installed in the reverse position (seat upstream) in order to avoid problems like build-up in valve body, seat wear, difficult closing, etc.

Sizes

DN 50 to DN 600 (Larger diameters on request)

Working pressure of seating

On Seating

DN 50 to 250: 3 kg/cm ²	DN 50 to 250: 10 kg/cm ²
DN 300 to 400: 2 Kg/cm ²	DN 300 to 400: 6 kg/cm ²
DN 450: 1,5 kg/cm ²	DN 450: 5 kg/cm ²
DN 500 to 600: 1 kg/cm ²	DN 500 to 600: 4 kg/cm ²

Other Knife Gate specifications available on request, please contact AKO UK Ltd on 01327 312747 or email sales@ako-valves.com