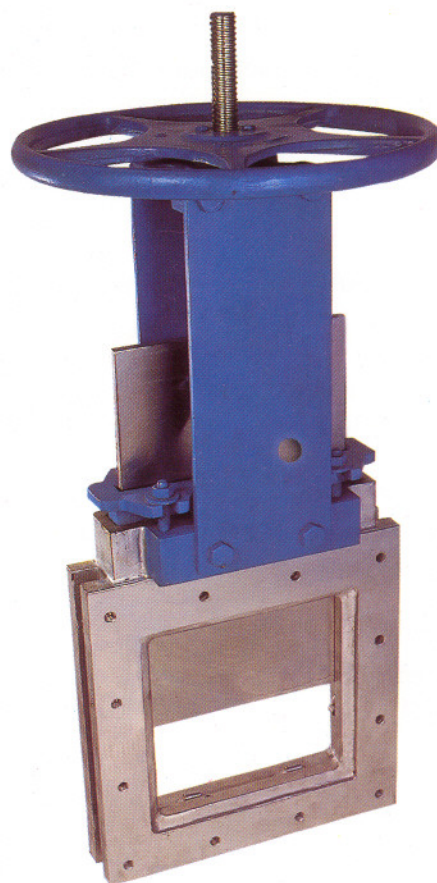


Model 960 Knife Gate Valve

Model 960 is a square / rectangular valve that incorporates some of the key design features of knife gate valves into conventional material isolation valve design. Conventional fabricated isolation gates are susceptible to jamming and high operating force requirements. By adopting the features of standard knife gate design such as single-sided seating, welded-on jams and the bevelled gate edge, this fabricated design results in a material isolation valve that is easy to operate even in larger sizes.

Model 960, being designed specifically for dry material isolation duties, features a fabricated body with custom sizes and flange drilling. As these applications do not involve pressures except for the static head of the material column on the valve gate, these valves are not designed to hold pressures and are not tested for seat leakage.



SPECIFICATIONS

Type	Uni-directional square / rectangular knife gate valve
Size range	Upto 1200mm per side maximum (higher sizes on application)
Rating	Not rated for holding pressure. Gate is designed to hold column of powder material upto 20 meters
Endstyle	Wafer, flanged
Drilling	Custom drilling as per customer requirements
Body & Gate	Carbon steel, Stainless steel; other materials on request
Seat	Integral metal-to-metal
Packing	Yarn, PTFE (different grades) and other materials
Actuator	Handwheel, chainwheel, bevel gear handwheel or chainwheel, VAAS Pneumatic double-acting cylinder and electric actuators
Accessories & Options	Various accessories and special construction options are available for this model. Please refer relevant Product Datasheets for details

Applications Hopper isolation for all types of dry materials; generally not recommended for sticky or hygroscopic materials. Please note the valve is not designed to close against a stagnant column of material and therefore the material must be flowing while the valve closes.

Caution Do not use in locations where the valve may be subjected to pressure or vacuum as this may cause material leak between the valve seat and gate which can result in premature damage if abrasive powders are involved.

TEST SPECIFICATIONS

Body shell test Tested with water at 2 bar pressure to check welding integrity

Seat leakage test Not applicable

PAINTING

Except for stainless steel components, all exterior parts will be painted with blue enamel paint.

Special paint options available on request

DIMENSIONS

Please request certified drawings for piping layout

WEIGHTS

Weights vary with specifications and can be furnished on request

ACTUATOR SELECTION

Actuation thrust requirements vary and details can be furnished on request

OPTIONAL CONSTRUCTIONS

Model 960 valves can be offered with a variety of optional constructions. Please refer Product Datasheet - 300 for complete details

ACCESSORIES

Model 960 valves can be offered with a variety of optional accessories. Please refer Product Datasheet - 400 for complete details

ORDERING

For ordering information please refer Product Datasheet - 100



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