

A **knife gate valve** is a type of gate valve specifically designed to handle slurries. These valves use a knife to cut through these materials, ensuring a tight shutoff even in challenging conditions.

### Features:

- Sharp heavy-duty knife edge at the bottom of gate cuts through solid sediments and ensures reliable shut-off.
- Gate offered with surface coatings based on customer demand.
- Replaceable seats - Easy maintenance at site. Longer service life
- Low operating torque - Facilitates use of a smaller size actuators. Lower Initial Investment.

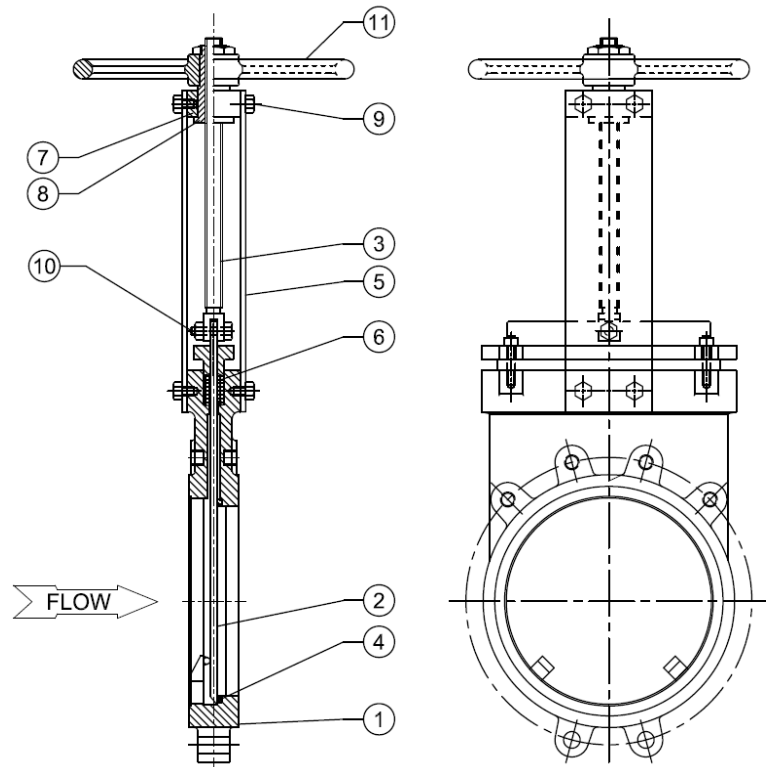
### Uses:

- Paper & Pulp Preparation, Pulp Transfer.
- Iron Ore Slurry, Beneficiation Plant.
- Thermal Power Ash Handling, Coal Handling.
- Sugar, Chemical Industries.
- Cement Slurry Transfer, Dry Lime.
- Waste Water Digester Isolation, Sludge Discharge, Sewage.



### Technical Data:

- **Size range:** DN 50 – 1600 (Flange/Wafer)
- **Pressure rating:** CL-125/CL-150 & PN-Rating up to 10 bar available.
- **Design standard:** MSS SP-81
- **Testing standard:** IS: 14846 & API 598
- **Flange standard:** BS / IS / ANSI / DIN
- **Accessories:** Gear, Actuator



## MATERIALS OF CONSTRUCTION

ITEM	DESCRIPTION	MATERIAL	SPECIFICATION
1	BODY	CI / DI / CS / SS	CAST IRON / DUCTILE IRON / CAST STEEL / STAINLESS STEEL
2	KNIFE PLATE	SS	STAINLESS STEEL
3	STEM	SS	STAINLESS STEEL
4	SEAT RING	SS/RUBBER	STAINLESS STEEL/NITRILE
5	YOKE ARMS	MS	MILD STEEL
6	PACKING	-	-
7	BRIDGE COVER	CI / DI / CS / SS	CAST IRON / DUCTILE IRON / CAST STEEL / STAINLESS STEEL
8	SLEEVE BUSH	LTB / SS	BRONZE / STAINLESS STEEL
9	BOLTS & NUTS	CS	CARBON STEEL
10	HINGE PIN	SS	STAINLESS STEEL
11	HAND WHEEL	CI/CS	CAST IRON / CAST STEEL