

# Knife Gate Valve - Lever

**T-T Flow**<sup>®</sup>  
**Valves**



## Application

Uni-directional knife gate valve designed for medias with suspended solids such as wastewater, sludge, biomass, pulp and powders.

## Features

- Wafer semi-lugged one-piece body with gate supports
- Stainless steel chamfered edged polished gate to effectively cut through media
- Resilient seat for secure and reliable seal
- Robust nodular iron epoxy coated body
- Stainless steel rising spindle with rolled thread
- In service adjustable gland follower
- Full-bore for optimal flow capacity and minimal pressure drop
- Lever operated



Pneumatic option



Handwheel option

## Directive

- 97/23/CE Pressure Equipment (Module D1)

## Options

- Stainless steel body and stem
- Alternative seat material (EPDM, PTFE or Viton)
- Position indicator with optional switch(es)
- Alternative operator (chainwheel, handwheel, pneumatic actuator or electric actuator)
- Locking device

### Technical Specifications

- Range : DN50 – DN200
- Maximum Working Pressure: DN50- DN200 10 Bar
- Flanged Drilling: BSEN1092-2:1987 Table 8 (PN10)
- Face to Face Dimension : EN558-1:1986 Series 20
- Temperature Range : -10°C to 80°C (insulate at 0°C and below)
- Hydrostatic Pressure Tests : Seat: 1.1xPN & Body: 1.5xPN
- Coating : Blue fusion bonded epoxy coating

### Materials

Description	Material	Grade
Body and gland followers	Ductile iron	GGG40
Gate, spindle and fasteners	Stainless Steel	ANSI304
Seat	Rubber	Nitrile
Packing	PTFE and nitrate	-
Spindle nut	Copper alloy	CC491K
Yoke plates and lever mechanism	Steel	-

### Dimensions

DN	Size	A	B	C	D	H	P	n-M	Kg
80	3"	50	284	92	87	513	100	8-M16	8.5
100	4"	50	331	105	87	672	100	8-M16	10.0
125	5"	50	361	120	98	760	125	8-M16	12.0
150	6"	60	413	130	98	828	125	8-M20	14.5
200	8"	60	520	160	123	918	1064	8-M20	32.0

