# Z73 Knife Gate Valves

# Seat Types:

## Metal To Metal

For applications with: High temperature High density media application When full tightness is not required

## Resilient Seat With Reinforced Ring

Temperature limitations according to seat material selected, refer to the material selection sheet or contact with Hiwa directly for requested seat material. replaceable and reinforced seat ring available in different materials.





**Resilient Seat** 

Standard resilient seat.

selection sheet or contact

Temperature limitations according to seat

material selected, Refer to the material

with Hiwa directly for requested seat

material. Replaceable seat retainer ring

Reinforced-Resilient Seat





①Non-Rising Stem Hand Wheel Actuator ②Rising Stem Hand Wheel Actuator









# **Knife Gate Valves**



# Hiwa

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BIFINE(ZIBO)INT'L CO.,LTD

③Gear Box Actuator ④Air Cylinder Actuator ⑤Electric Actuator

# Z73 Knife Gate Valves

## The stainless steel stem offer a long anticorrosion life.for rising stem handwheel operator,a stem protected tube is provided for additional protection against dust while the valve is in the open position.

**Protective tube for stem:** 

Yoke or actuator support:

Made of epoxy coated steel, stainless steel available on request.compact design makes it extremely robust even under the most severe conditions.

### **Position for travel switch:**

### Sharp knife gate:

Stainless steel gate as standard.machined & polished knife gate on both sides to avoid jamming and seat damage.bevel knife gate bottom to cut through solids for a tight seal in the closed position.

Unique molded rubber gasket in the internal of the valve body with a stainless steel retainer ring. normal EPDM, other material also available on request like Viton,PTFE,etc.

FIG:

# Z73 Knife Gate Valves

## Application

- Pulp production
- Water, Waste water
- Treatment.
- Chemical inudstry
- Power plants
- Mining
- Etc.

Size Range: DN50 to DN600 (Large Diameter Also Available on Request) Working Pressure:

10Bar for DN50 to DN250

6Bar for DN300 to DN400

5Bar for DN450

4Bar for DN500 to DN600

End Flange Connection: EN1092 PN10 or ANSI B16.5 (Class150)

Note: Other flange connections also available on request, kindly contact with Hiwa directly to check.

\*All Hiwa valves are tested according to the DIN3230; EN12266-2;iso5208 before shipping by our caulity control department.

All actuators supplied by HIWA are

interchangeable.

Long-life packing with several layers of braided fibre plus EPDM o-ring, with an easy access packing gland ensuring a tight seal.long life braided packing is available in a wide range of materials.

### One piece body:

Position for indicator:

Wafer style one piece body, full port design for great flow capacity and minimal pressure drop. internal cast in wedges and guides allows for tight shut-off, avoids any solids that would prevent valves from closing.

### **Epoxy coating:**

Electrostatically spray applied making the valves to be corrosion resistant with a high quality finished surface. the standard color is blue RAL5017.

### **Fixing lugs:**

Bottom line installation

## Standard Material List

Item No.	Parts Name	Cast Iron	Stainless Steel
1	Body	CI/DI	WCB
2	Seat	Rubber	SS
3	Beat Back	SS	SS
4	Bolt	WCB	WCB
5	Washer	WCB	WCB
6	Yoke	WCB	WCB
7	Bushing	Bronze/Brass	Bronze/Brass
8	Bolt	WCB	WCB
9	Washer	WCB	WCB
10	Noze	Bronze/Brass	Bronze/Brass
11	Stuff	Rubber	Rubber
12	Washer	WCB	WCB
13	Nut	WCB	WCB
14	Gland	CI/DI	WCB
15	Stud	WCB	WCB
16	Washer	WCB	WCB
17	Nut	WCB	WCB
18	Knife Gate	SS	SS
19	Bolt	WCB	WCB
20	Nut	WCB	WCB
21	Stem Nut	Bronze/Brass	Bronze/Brass
22	Stem	WCB	WCB
23	Bushing	Bronze/Brass	Bronze/Brass
24	Top Flange	CI/DI	WCB
25	Handwheel	WCB	WCB

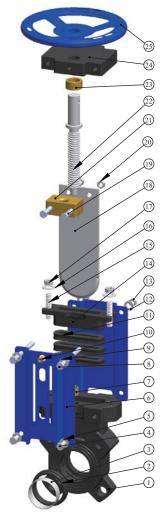
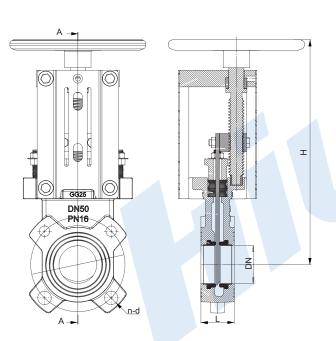


FIG:

# Z73 Knife Gate Valves





♦ Rising Stem Hand Wheel

## ◆ Dimensions/数据

Size	L	D1	n-d		
DN50	43	125	4-19	300	9
DN65	46	145	4-19	325	10
DN80	46	160	8-19	360	11
DN100	52	180	8-19	370	12
DN125	56	210	8-19	425	18
DN150	56	240	8-23	530	22
DN200	60	295	12-23	720	43
DN250	68	355	12-28	750	55
DN300	78	410	12-28	850	78

Size	L	D1	n-M					
DN50	43	125	2-M16	2-19	290	350	180	9.2
DN65	46	145	2-M16	2-19	312	390	180	10.2
DN80	46	160	2-M16	2-19	344	440	200	11.2
DN100	52	180	2-M16	2-19	350	470	200	12.2
DN125	56	210	2-M16	2-19	400	550	250	18.4
DN150	56	240	2-M20	2-23	500	680	250	22.5
DN200	60	295	4-M20	2-23	680	920	280	43.5
DN250	68	355	4-M24	2-28	700	1000	320	56
DN300	78	410	4-M24	2-28	790	1150	320	80

## ◆ Dimensions/数据

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	Size	D	SHORT STUD BOLT+NUT BLUE	LONG STUD BOLT+NUT RED				
	DN50	125	2-M16×60	2-M16×125				
	DN65	145	2-M16×60	2-M16×125				
	DN80	160	2-M16×60	6-M16×125				
	DN100	10	2-M16×60	6-M16×135				
	DN125	210	2-M16×60	6-M16×135				
	DN150	240	4-M20×60	6-M16×135				
ĺ	DN200	295	4-M20×65	8-M20×150				
	DN250	355	4-M20×65	8-M20×160				
	DN300	410	4-M20×65	8-M20×170				









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