Stainless Steel Knife Gate Valve



The Dixon VKG series is a robust uni-directional stainless steel knife gate valve suitable for a wide range of industries including water, waste water, mining, winery must transfer, pulp and paper and aquaculture applications. The unique design of the NP series is perfect for low pressure applications. Double row thrust bearings for smooth operation and a hardened chrome plated 316 stainless steel gate with NBR seat, provides the NP series the strength and diversity to handle a multitude of applications.



Features

- Size range DN50 DN1200
- · Special replaceable seat
- · Roller bearings in stainless steel housing on all sizes
- Fully lugged to suit AS2129 Table D
- · Stainless steel stem protection tube
- · Gearbox included on DN450 and above
- · Stainless steel safety guards
- · Special adjustable gate guide ensures no leakage
- · PTFE seat as standard
- Temperature range up to 200°C (depending on seat)

Options Available

- · Bi-directional version
- · WCB or Duplex body
- · Wafer type body
- EPDM, NBR, PTFE, FKM or Metal seat
- · Electric or pneumatic actudator
- · Non-rising stem
- · Limit switches
- Chain wheel
- · Anti-clockwise close
- Extensions

Pressure Rating

- DN50 to DN250 10 Bar (150 PSI)
- DN300 to DN450 7 Bar (90 PSI)
- DN500 to DN600 4 Bar (60 PSI)

Maximum Temperature Rating

- 200°C Viton (optional)
- 120°C EPDM (optional)
- 90°C NBR (optional)
- 200°C PTFE (standard)
- 200°C Metal (optional)

Lugged to Suit

AS2129 Table D

Specification

According to AS6401 & MSS SP-81

Dixon Brand Manual (Hand wheel operated) Knife Gate Valves include SS gate guard & SS stem cover as standard.

Dixon Brand (Actuated) Knife Gate Valves with Double Acting Pneumatic Cylinder also includes - 24VDC Solenoid valve, Proximity switches & Air Filter Regulator as standard.

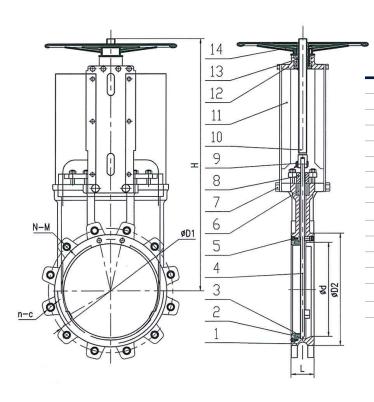
Stainless Steel Knife Gate Valve

Technical Information



Hand Wheel

Size (mm)	Part No.	Description
50	<u>VKG-050-RS-SS</u>	316 stainless steel resilient seat, hand wheel, Lug T/D Knife Gate Valve
65	<u>VKG-065-RS-SS</u>	316 stainless steel resilient seat, hand wheel, Lug T/D Knife Gate Valve
80	VKG-080-RS-SS	316 stainless steel resilient seat, hand wheel, Lug T/D Knife Gate Valve
100	<u>VKG-100-RS-SS</u>	316 stainless steel resilient seat, hand wheel, Lug T/D Knife Gate Valve
125	VKG-125-RS-SS	316 stainless steel resilient seat, hand wheel, Lug T/D Knife Gate Valve
150	VKG-150-RS-SS	316 stainless steel resilient seat, hand wheel, Lug T/D Knife Gate Valve
200	VKG-200-RS-SS	316 stainless steel resilient seat, hand wheel, Lug T/D Knife Gate Valve
250	VKG-250-RS-SS	316 stainless steel resilient seat, hand wheel, Lug T/D Knife Gate Valve
300	VKG-300-RS-SS	316 stainless steel resilient seat, hand wheel, Lug T/D Knife Gate Valve



Number	Part	Material		
1	Handwheel	ZG25		
2	Stem nut	QA19-4		
3	Steel block	WCB		
4	Support plates	SS304		
5	Stem	2Cr13		
6	Pin	F304		
7	Glang Follower	CF8M		
8	Bolt	A4-70		
9	Packing	PTFE+SI		
10	Bolt	A4-70		
11	Gate	SS316		
12	Seat Cover	CF8M		
13	Seat	PTFE		
14	Body	CF8M		

DN	L	ød	øD1	D2	N-M	Н
80	51	90	146	122	4-M16	365
100	51	105	178	154	4-M16	410
150	57	158	235	211	8-M16	505
200	70	210	292	266	8-M16	615
250	70	210	356	319	8-M20	740

Dixon

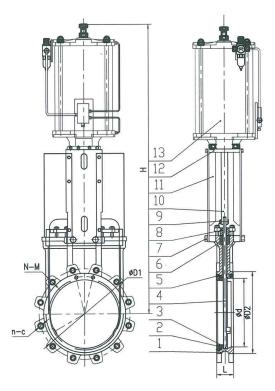
Stainless Steel Knife Gate Valve

Technical Information



Double Acting Lugged to AS2129 Table D

Size (mm)	Part No.	Description
80	VKG-080-SS-ACT	316 stainless steel, resilient seat, Lug T/D, double acting knife gate valve
100	VKG-100-SS-ACT	316 stainless steel, resilient seat, Lug T/D, double acting knife gate valve
125	VKG-125-SS-ACT	316 stainless steel, resilient seat, Lug T/D, double acting knife gate valve
150	VKG-150-SS-ACT	316 stainless steel, resilient seat, Lug T/D, double acting knife gate valve
200	VKG-200-SS-ACT	316 stainless steel, resilient seat, Lug T/D, double acting knife gate valve
250	VKG-250-SS-ACT	316 stainless steel, resilient seat, Lug T/D, double acting knife gate valve
300	VKG-300-SS-ACT	316 stainless steel, resilient seat, Lug T/D, double acting knife gate valve



Number	Part	Material		
1	Body	CF8M		
2	Seat	PTFE		
3	Seat cover	CF8M		
4	Gate	SS316		
5	Bolt	A4-70		
6	Packing	PTFE+SI		
7	Bolt	A4-70		
8	Glang Follower	CF8M		
9	Pin	F304		
10	Piston rod	45+Cr		
11	Support plates	SS304		
12	Steel block	WCB		
13	Cylinder	Combination		

DN	L	ød	øD1	D2	N-M	Н
100	51	105	178	154	4-M16	610
150	57	158	235	211	8-M16	760
200	70	210	292	266	8-M16	950
250	70	260	356	319	8-M20	1135

Product Group: VC05