

# KGV-XDV-UDH

## UNI-DIRECTIONAL KNIFE GATE VALVES DN50-DN400



The AVFI Knifegate Valve Series is a robust uni-directional stainless steel knife gate valve suitable for a wide range of industries including water and waste water, mining, pulp and paper, and aquaculture applications.

### ADVANTAGES

- ▷ Special L shaped replaceable seat.
- ▷ Roller bearings in SS housing on all sizes.
- ▷ Fully lugged to suit AS4087 CL16.
- ▷ Rising stem design.
- ▷ Stainless steel stem protection tube included.
- ▷ Stainless steel side covers included on all sizes.
- ▷ Special adjustable gate guide ensures no leakage.
- ▷ Viton seat as standard.
- ▷ Temperature range up to 200°C (depending on seat).

### OPERATIONS

The unique design incorporates adjustable gate pressure block, perfect for low pressure applications. Double row thrust bearings for smooth operation, and a hardened chrome plated 316 stainless steel gate with viton seat provides the AVFI UDH Series the strength and diversity to handle a multitude of applications.

### TECHNICAL DATA

Size Range	DN50-DN400
Pressure Class	Max PN10 dependant on valve size
Face to Face	As per AS6401 & MSS SP-81
Temperature Range	200°C Viton (standard) 120°C EPDM (optional) 90°C NBR (optional) 200°C PTFE (optional) 200°C Metal (optional)
Lugged to Suit	AS4087, Class 16. (others on request)



# KGV-XDV-UDH

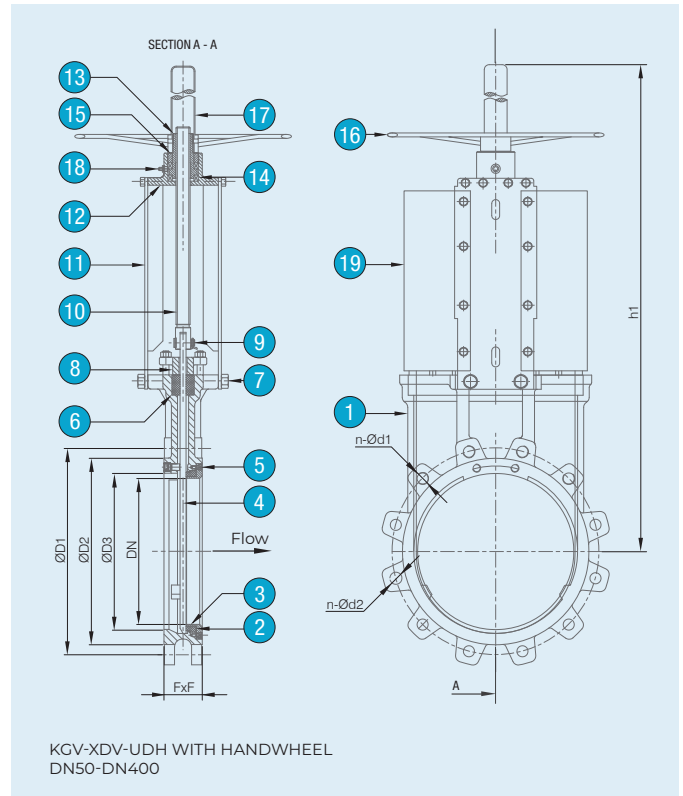
## KNIFE GATE VALVES

### MATERIAL SPECIFICATIONS & PARTS LIST

NO.	DESCRIPTION	MATERIAL
1	Body	CF8M
2	Seat	Viton
3	Seat Retainer	SS316
4	Gate	SS316 + Cr
5	Bolt	A4-70
6	Packing	PTFE +SI
7	Bolt	A4-70
8	Gland Follower	CF8M
9	Pin	SS304
10	Stem	SS304
11	Support Plates	SS304
12	Bearing Housing	SS304
12a *	Bearing Housing	Epoxy Coated WCB
13	Stem Nut	AL/BR
14	Bearing	SS440
15	Bearing Cover	SS304
16	Handwheel	Epoxy Coated Iron
17	Stem Cover	SS304
18	Grease Fitting	C95200
19	Side Covers	SS304

\* Optional

### DIMENSIONAL DRAWING



### DIMENSIONS (MM)

XDV-UDH DN50-DN400											
DN	FxF	H1	ØD1	ØD2	ØD3	N-Ød1	N-Ød2	Ød1 Depth	MAX WORKING PRESSURE	WEIGHT (KG)	TORQUE
50	49	302	114	90	60	2-M16	2-M16	11	10 Bar	9	
65	49	345	127	103	75	2-M16	2-M16	11	10 Bar	11	
80	53	365	146	122	90	2-M16	2-M16	11	10 Bar	12	
100	53	410	178	154	105	2-M16	2-M16	11	10 Bar	16	
125	57	460	210	186	130	2-M16	6-M16	11	10 Bar	20	
150	57	505	235	211	158	2-M16	6-M16	14	10 Bar	25	
200	70	615	292	266	210	2-M16	6-M16	16	10 Bar	43	
225	70	725	324	300	240	2-M16	6-M16	16	10 Bar		
250	70	740	356	324	260	2-M20	6-M20	16	10 Bar	62	
300	73	840	406	378	310	4-M20	8-M20	16	7 Bar	78	
350	73	970	470	429	360	4-M24	8-M24	18	7 Bar	112	
375	73	1020	495	463	385	4-M24	8-M24	18	7 Bar	145	
400	91	1060	521	489	415	4-M24	8-M24	18	7 Bar	154	

# KGV-XDV-UDH

## KNIFE GATE VALVES

### OPTIONS



LIMIT SWITCH (OPEN/CLOSE)



NON-RISING STEM



GEARBOX BEVEL



GEARBOX SPUR

### ORDERING CHART

MODEL	SIZE	ATTACHMENT		LIMIT SWITCH	NRS	GEARBOX
KGV-XDV-UDH	050	T/D	Table D	O	O	O
	065	T/E	Table E	LS	NRS	BG
	080	ANSI*	ANSI 150 Drilling			SG
	100					
	125					
	150					
	200					
	250					
	300					
	350					
	400					

#### EXAMPLE

XDV-UDH 50mm Table D with Non Rising Spindle

KGV-XDV-UDH-050-T/D-O-NRS-O

\* ANSI 150 Drilling only. PN rating as per standard valve.