AV·TEK™

WATER MANAGEMENT

Knife Gate Valves

Series 730 & 740

Knife Gate Valves
Fibrous Fluids Service Applications

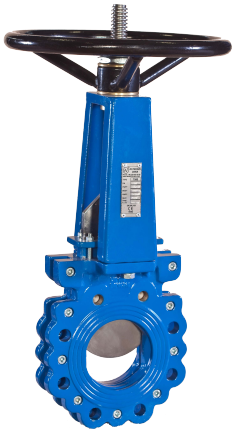
Av-Tek™ Knife Gate Valves

Technical Data

Size Range:

Series 730 - 2" to 24" Lug Bi-Directional Split Body
Series *740* - 2" to 32" Wafer Uni-Directional:
ANSI Class 125/150

Pressure Rating: 90 psi



General Application

Knife gate Valves are ideal for fibrous fluids such as water treatment and paper industry. Tight shut off is assured with the elastomer and metal seals. Rising stems or non-rising stems available.

*Consult your sales representative for appropriate materials and specific services.

Details and Features

- Series 740 Features mono block body
- Series 730 Features a two piece body
- Ductile Iron Body Standard
- EPDM Seats
- 304 SST Knife
- 420 SST Stem
- Series 730 is pressure rated bi-directionaly
- Series 740 is pressure rated one direction

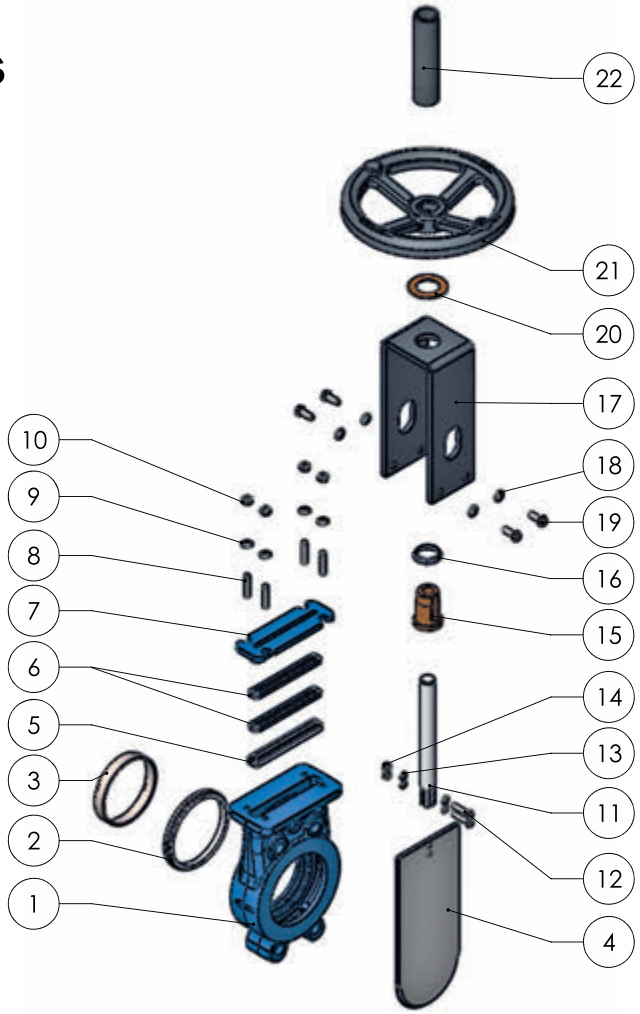
Body Material Options
- Ductile Iron
- Cast Iron

Knife Material Options
- 304 Stainless Steel
- 316 Stainless Steel

Body Seat Material Options
- EPDM

Series 740 Lug/Wafer
(2" to 32"), Rated at 90 psi

Parts and Materials



Part List & Material Specification

2" - 32"

P.NO	PART NAME	MATERIAL
1	Body	Cast Iron, Ductile Iron
2	Seat	EPDM
3	Retainig Ring	AISI 304, AISI 316
4	Knife	AISI 304, AISI 316
5	Gland Seat	EPDM
6	Packing	Graphite, PTFE
7	Gland	CI, DI, AISI 304,AISI 316
8	Setscrew	Carbon Steel ST 37, 304 SST
9	Washer	Carbon Steel ST 37, 304 SST
10	Nut	Carbon Steel ST 37, 304 SST
11	Move Screw	AISI 304, AISI 316, AISI 420

P.NO	PART NAME	MATERIAL
12	Bolt	304 SST
13	Washer	304 SST
14	Nut	304 SST
15	Spindle nut	Bronze
16	Mid Piece	Polyamid
17	Bridge	Carbon Steel ST 37, AISI 304, AISI 316
18	Washer	Carbon Steel ST 37, 304 SST
19	Bolt	Carbon Steel ST 37, 304 SST
20	Washer	Bronze
21	Handwheel	Cast Iron, Ductile Iron
22	Protection Pipe	Carbon Steel ST 37

Series 740 Lug/Wafer
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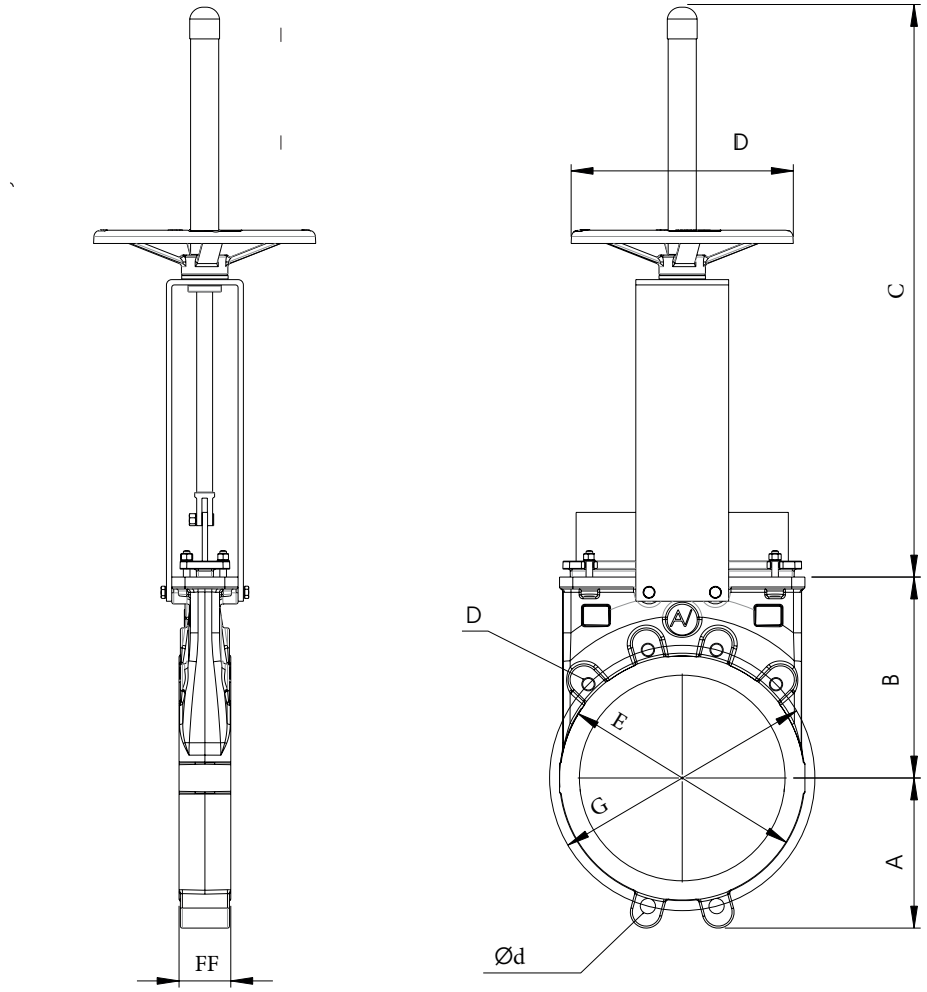
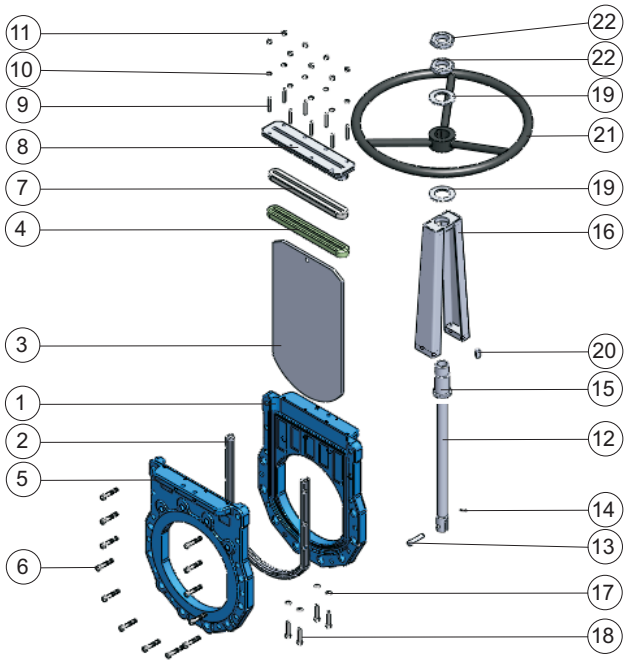


Size	A	B	C	D	E	FF	ANSI Class 150			
							G	Through Hole Ød	Tapped Hole D	# of bolts
2"	2.36	4.33	10	9.25	4.09	1.69	4.75	19	M 16	4
2.5"	2.75	4.72	12	9.25	4.65	1.81	5.5	19	M 16	4
3"	3.7	5.11	12.5	9.25	5.19	1.96	6	19	M 16	8
4"	4.05	5.51	15.75	9.25	6.14	2.04	7.50	19	M 16	8
5"	4.6	6.29	16.75	9.25	7.24	2.20	8.50	19	M 16	8
6"	5.23	7.67	18.75	9.25	8.30	2.20	9.5	23	M 20	8
8"	6.49	9.05	24.75	12	10.55	2.36	11.75	23	M 20	8
10	7.71	10.43	28	12	12.55	2.67	14.25	23	M 20	12
12"	8.89	11.81	33	12	14.56	3.07	17	23	M 20	12
14"	10.23	13.77	36.75	12	16.88	3.07	18.75	23	M 20	16
16"	11.22	16.53	42.50	16	18.97	4.33	21.25	28	M 24	16
20"	14.13	19.48	51	24	22.91	5	25	28	M 24	20
24"	16.61	23.42	59	24	26.85	6.06	29.5	31	M 27	20
28"	17.79	29.52	64.25	24	31.10	6.49	34	31	M 27	24
32"	20.86	36.22	74	24	35.43	7.48	38.5	34	M 30	24

Series 730 Lug/Wafer
Split Body (2" - 48") Rated at 90 PSI

Parts and Materials

P.NO	PART NAME	MATERIAL
1	Sledge body	Ductile Iron
2	Seat	EPDM, NBR
3	Knife	AISI 304, AISI 316 SST
4	Gland seat	EPDM, NBR
5	Cover body	Ductile Iron, AISI 304, AISI 316 SST
6	Bolt	Carbon Steel 8.8, AISI 304 SST
7	Gland delrin	Delrin, PE
8	Gland	Ductile Iron
9	Stud	Carbon Steel 8.8, AISI 304 SST
10	Washer	Carbon Steel A37, AISI 304 SST
11	Nut	Carbon Steel 6.8, AISI 304 SST
12	Move screw	AISI 420 SST
13	Pin	AISI 420 SST
14	Split pin	Spring Steel
15	Hive	Bronze
16	Bridge	Carbon Steel ST 37
17	Washer	Carbon Steel A37, AISI 304 SST
18	Bolt	Carbon Steel 8.8, AISI 304 SST
19	Washer	Bronze
20	Key	AISI 1045 Carbon Steel
21	Handwheel	Carbon Steel ST 37
22	Nut	AISI 1050 Carbon Steel



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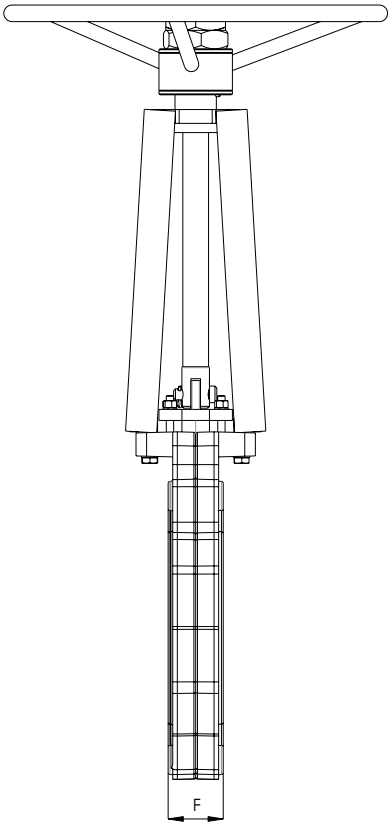

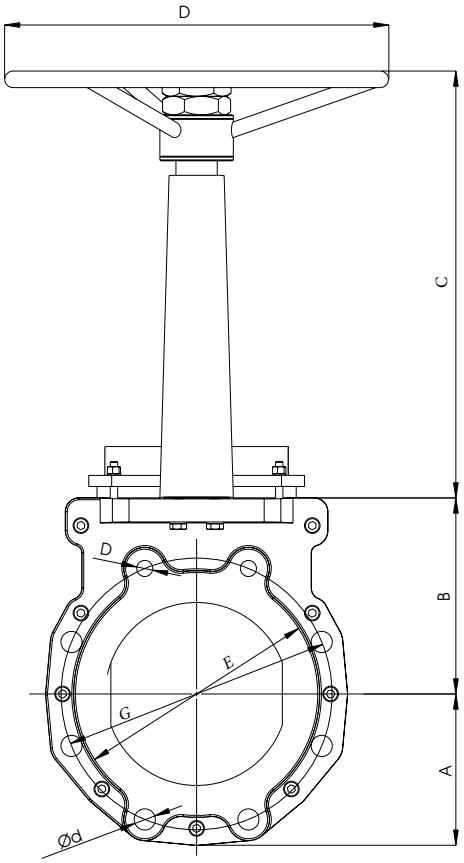

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							G	Through Hole Ød	Tapped Hole D	# of Bolts
2"	3.26	4.52	7.67	12	3.70	1.69	4.75	19	M16	4
2.5"	3.66	4.72	8.85	12	4.64	1.81	5.5	19	M16	4
3"	3.93	5.59	9.64	12	5.19	1.81	6	19	M16	8
4"	4.44	5.70	10.62	12	6.14	2.04	7.5	19	M16	8
5"	4.92	5.98	12	12	7.24	2.20	8.5	19	M16	8
6"	5.70	7	12.55	12	8.30	2.20	9.5	23	M20	8
8"	6.85	8.97	19.09	16	10.55	2.36	11.75	23	M20	8
10"	7.87	9.68	20.47	16	12.55	2.67	14.25	23	M20	12
12"	8.97	11.88	22.04	22	14.56	3.07	17	23	M20	12
14"	9.96	13.77	25.59	22	16.88	3.62	18.75	23	M20	16
16"	11.14	14.56	29.52	28	18.97	4	21.25	28	M24	16
18"	12.12	19.68	33.46	28	20.86	4.5	22.75	28	M24	20
20"	13.18	18.26	37.79	28	22.91	5	25	28	M24	20
24"	15.35	25.59	42.12	28	26.85	6.06	29.50	31	M27	20
28"	17.71	25.39	42.71	32	31.49	6.5	34	31	M27	24
32"	20.07	29.52	45.74	32	35.03	7.5	38.50	34	M30	24
40"	24.60	37.40	63	40	43.77	8.50	47.75	36	M33	28
48"	28.74	47.24	82.67	40	52.28	10	56	40	M36	32

AV-TEK
WATER MANAGEMENT

Av-Tek™ Inc offers solutions for modern problems facing water users, plant operators, industrial processes, and engineering firms. The standard set forth by Av-Tek™ exceeds expectations in the market today and is setting a new standard of quality of excellence.

The Av-Tek™ DEX double eccentric butterfly valve exemplifies this with options available to match any market needs. From hard rubber lining, aluminum bronze discs, to meeting stringent requirements for certification you can rest assured there is not a higher quality valve on the market today.

The Av-Tek™ VRX Plunger Valve has been engineered & designed for absolute control specifically for water applications. The VRX accompanied with an electric motor operator can function as a critical isolation, pressure and control valve without the fear of cavitation damage.

The Av-Tek™ Rubber Seated butterfly valves are a crucial part of nearly every application. The advanced design allows for quick replacement of seats. The disc is never penetrated to ensure this valve has a long life, free of leaks and defects.

The Av-Tek™ Knife Gate valve is perfect when the media in your pipe is not. With a 316 Stainless Steel Knife and a rubber seat drip tight closure is achieved. Options include SST Body, DI Body, Lug Body, Wafer, rising and non-rising stems.

The Av-Tek™ Dismantling Joints are recommended anytime a valve is above ground, for easy mounting and dismounting. Dismantling joints also remove the stress on valves in line due to installation problems. Ductile Iron Bodies, Fusion Bonded Epoxy In & Out, and EPDM O-Rings are always standard.

Av-Tek™ Inc. Valve
1310 Swaner Rd Salt Lake City, Utah 84104
Phone: 385-325-2504 info@AvTekValves.com