

STAINLESS STEEL LINED RESILIENT SEATED KNIFE GATE VALVE

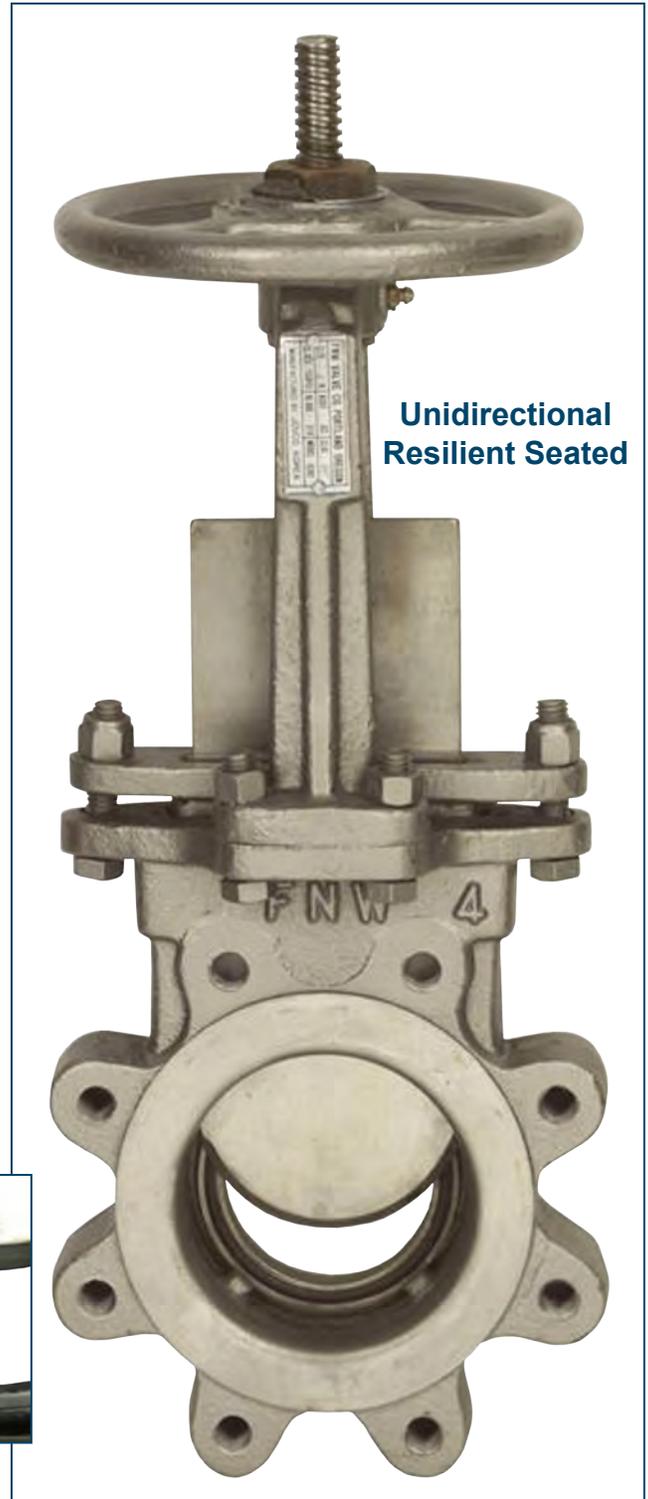
The figure 62B is a lined valve with the economy of a ductile iron body and the corrosion resistance of all stainless steel wetted parts. The 62B is designed for pulp and paper, chemicals, mining and petroleum industries to handle dense mixtures of stock and slurries where positive shutoff is required. The shearing action of the knife gate cuts through solids and cleans the seat as it closes.

Features:

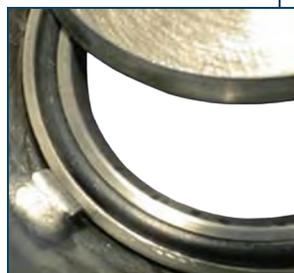
- Unidirectional Shutoff
- Stainless Steel Lined Ductile Iron Body
- Thrust Ball Bearing Yoke Bushing (18" & Larger)
- EPDM Seat (Viton® optional)
- Cast Iron Handwheel
- Bonnetless, Outside Screw & Yoke
- Rising Stem
- Corrosion Resistant Stainless Impregnated Coating
- Meets MSS SP-81 Specification for 150 PSI CWP
- Smooth Flow, Non-clogging Step Seat Design
- Available in sizes from 3" to 24"

Standards:

- Design: MSS SP-81
- Flange Drilling: ANSI B16.5
- Seat/Shell Test: MSS SP-81



**Unidirectional
Resilient Seated**



Stainless Steel Lined

Options

FNW Valve Company offers many options and modifications for valves. These include, but are not limited to:

- Actuation including ratchets, chain wheels, AWWA nuts, gear-operators, pneumatic & hydraulic cylinders, and electric actuators
- Packing options for pH and temperature requirements
- Back seat stops for low ΔP or reverse operation applications, or to prevent knife blade deflection.
- V-ports for reduced plugging in metering applications
- Stem extensions in carbon and stainless steel
- Conversion to non-rising stem (NRS)
- Deflection cones in Ni-Hard and HDPE for added seat and gate protection in abrasive services
- Flush ports to clear suspended matter from the valve chest or seat pocket area
- Quick opening levers
- Gate scraper
- Viton® seat

Contact FNW for knife gate valve options.

Standard Materials

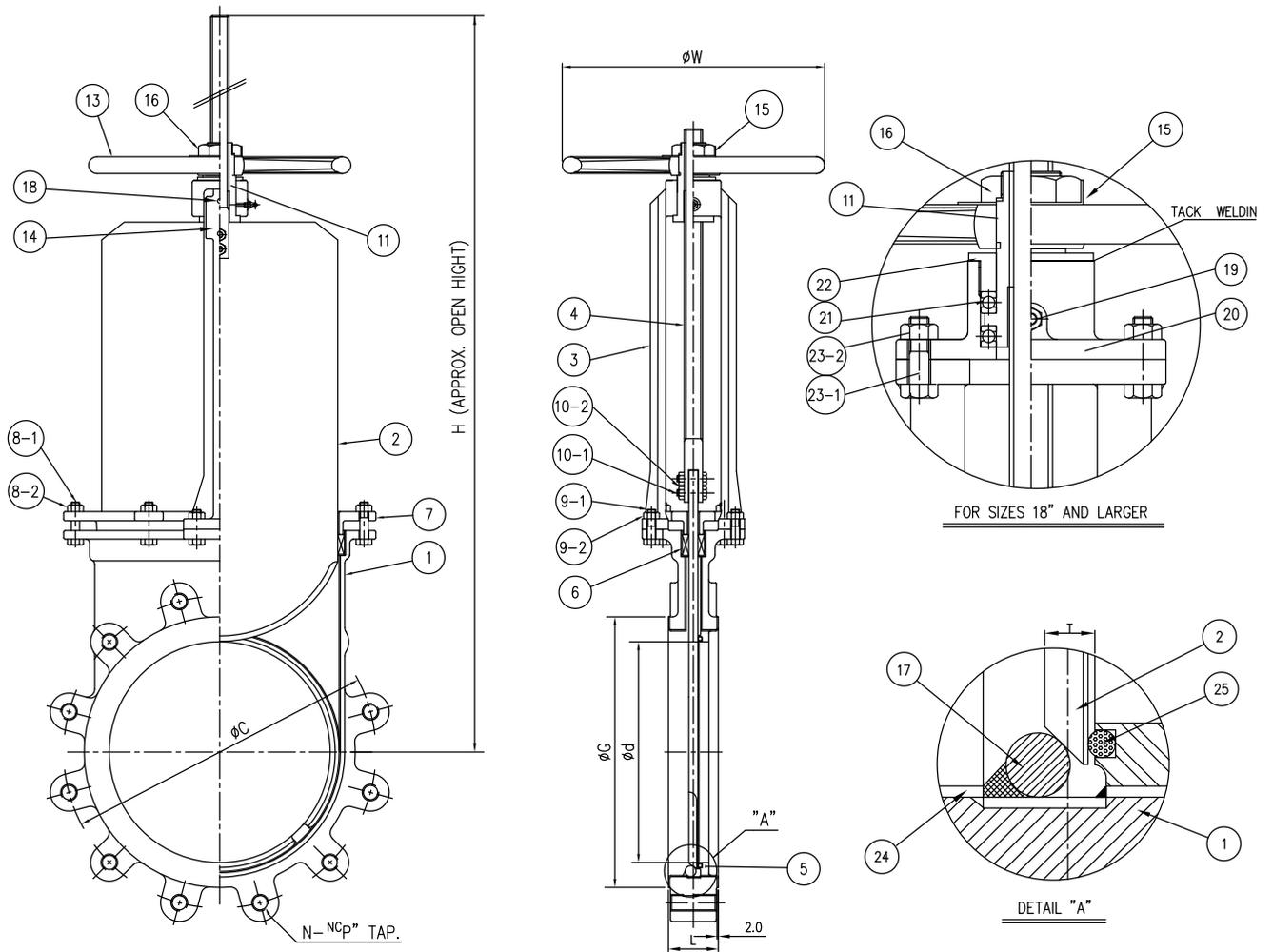
Ref. No.	Description	Material	Qty	Remarks
1	Body	Ductile Iron	1	
2	Knife	A240 316	1	
3	Yoke	A216 WCB	1	
4	Stem	A276 410	1	
5	Body Seat Ring	A240 316	1	Welding
6	Packing	PTFE Impregnated Fiber	1 Set	Non-Asbestos
7	Packing Gland	A216 WCB	1	
8-1	Gland Bolt	STEEL	1 Set	
8-2	Gland Nut	STEEL	1 Set	Nylon Lock Nut
9-1	Yoke Bolt	STEEL	4	
9-2	Yoke Nut	STEEL	4	
10-1	Clevis Bolt	A193 B8	2	
10-2	Clevis Nut	A194 8	2	Nylon Lock Nut
11	Yoke Sleeve	BRASS	1	
12	Thrust Washer	BRASS	1	
13	Hand Wheel	A338	1	
14	Name Plate	ALUMINUM	1	
15	Lock Washer	A240 304	1	
16	Wheel Nut	BRASS, STEEL	1	
17	Bottom Stopper	A240 316	2	Welding
18	Rivet	ALUMINUM	2	
19	Grease Nipple	ASS'Y	1	
20	Bearing Housing	A216 WCB	1	
21	Thrust Ball Bearing	ASS'Y	2	18" And Larger
22	Bearing Gland	A216 WCB	1	Tack Weld
23-1	Bearing Housing Bolt	STEEL	4	
23-2	Bearing Housing Nut	STEEL	4	
24	Body Liner	A240 316	1 Set	Welding
25	Seat O-Ring	EPDM	1	

Packing Options

Type	Temperature Limit
PTFE Impregnated Fiber (Standard)	425°F
Pure TFE	425°F
TFE Fiber (Ultra)	500°F
Graphite Filament Yarn	1000°F

Flow Coefficients, Port Areas, & Weights

Size	Cv	Port Area (in ²)	Wt. (Lbs)
3	190	4.37	24
4	340	7.79	35
6	890	20.58	57
8	1,710	39.46	86
10	2,670	61.62	128
12	3,990	92.07	169
14	5,070	117.03	223
16	6,660	153.42	295
18	8,240	189.81	363
20	10,460	240.96	557
24	15,400	354.81	671



Dimensions (inches)

Size	L	Ød	ØG	ØC	N	NcP	T	ØW	H
3	2.00	2.36	5.00	6.00	4	5/8"-11	0.315	7.09	15.75
4	2.00	3.15	6.18	7.50	8	5/8"-11	0.315	7.87	18.90
6	2.25	5.12	8.50	9.50	8	3/4"-10	0.315	9.84	24.41
8	2.75	7.09	10.63	11.75	8	3/4"-10	0.315	11.81	31.50
10	2.75	8.86	12.76	14.25	12	7/8"-9	0.394	13.78	37.80
12	3.00	10.83	15.00	17.00	12	7/8"-9	0.394	15.75	43.31
14	3.00	12.21	16.26	18.75	12	1"-8	0.472	17.72	48.82
16	3.50	13.98	18.50	21.25	16	1"-8	0.472	19.69	53.94
18	3.50	15.55	20.98	22.75	16	1-1/8"-7	0.472	19.69	60.24
20	4.50	17.52	22.99	25.00	20	1-1/8"-7	0.591	21.65	67.72
24	4.50	21.26	27.24	29.50	20	1-1/4"-7	0.591	21.65	79.13

Figure Number Matrix

FNW 62 B Size		
SIZE CODE		
3 = M	10 = 10	18 = 18
4 = P	12 = 12	20 = 20
6 = U	14 = 14	24 = 24
8 = X	16 = 16	

STAINLESS STEEL LINED RESILIENT SEATED KNIFE GATE VALVE

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