Series 950

Unidirectional Knife Gate Valve

Bray / VAAS®

2″-24″ (50-600mm) 150psi (10bar)
30″-36″ (750-900mm) 100psi (7bar)
40″ up to 60″ (1000mm-1500mm)
50 to 100psi (3 to 7bar)

Series 950

Unidirectional Knife Gate Valve

The Bray/VAAS Series 950's one-piece, cast body design offers rugged performance in applications ranging from general purpose to severe media handling in an economical semi-lug body.

Available with integral metal or replaceable soft seat, the Bray/VAAS Series 950 gate valve is easily automated for on/off applications.

Shown with stem cover (optional).

* Shown with replaceable resilient seat (optional).

1. Designed for easy, quick conversion between manual and pneumatic actuation. Featuring a lubricant injection port for continuous, smooth operation with minimal maintenance.
2. Clevis design and horizontal bolting stabilizes gate ensuring proper alignment.
3. Standard multi-layer square packing provides exceptional gland sealing.
4. Optional energized quad seal packing for enhanced gland sealing.
5. Standard integral metal seat and optional replaceable zero leakage resilient seats.
6. Deflection resistant gate design ensures consistent alignment for industry leading durability.
7. Unique body design with no dead pockets enables self-draining of valve.

CE

Standard Construction

Body	Gate	Seat	Stem	Gland	Packing	Topworks
CF8	304	Integral	304	304	PTFE impregnated synthetic fiber	Steel
CF8M	316	Integral	304	304	PTFE impregnated synthetic fiber	Steel
WCB	304	Integral	304	304	PTFE impregnated synthetic fiber	Steel
CI/DI	304	Integral	304	304	PTFE impregnated synthetic fiber	Steel

Lower pressure ratings apply for CI/DI body in sizes above 12 in./300mm

Actuator Options

- Direct Mounted Handwheel Standard
- Bevel Gear
- Pneumatic
- Hydraulic
- Electric

Body Options

- CF3M Stainless Steel
- SAF 2205 Duplex
- SAF 2507 Duplex

Additional material options may be available upon request. Consult factory for availability.

Gate Options

- 316, 317 Stainless Steel
- SAF 2507 Duplex
- SAF 2205 Duplex
- 17-4PH Stainless Steel
- Hastelloy® C
- Monel®

Seat Options

Buna-N	-35°-194°F/-37°-90°C
EPDM	-65°-248°F/-54°-120°C
Viton®	-15°-392°F/-26°-200°C
PTFE	-235°-450°F/-148°-232°C

Packing Options

PTFE impregnated synthetic fiber	232°C/450°F
PTFE w/Buna-N Quad Seal	90°C/194°F
PTFE w/Viton® Quad Seal	200°C/392°F
Copper Wiper	500°C/932°F
Graphite	650°C/1202°F

Specifications & Standards

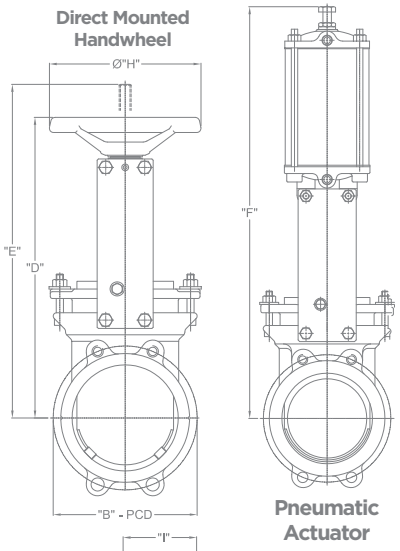
Size Range	2"-60" (50-1500mm)
Pressure Rating	Up to 24" (600mm) 150psi (10bar) 30"-36" (750-900mm) 100psi (7bar) 40"-60" (1000-1600mm) 50-100 psi (3-7bar)
Body Style	One-piece (Wafer, Semi-lug)
Design	MSS SP-81
Testing	MSS SP-81
Face-to-face	MSS SP-81
Certification	CE/PED, Canadian CRN
Drilling*	ASME B16.5 CL150, ASME B16.47 CL150

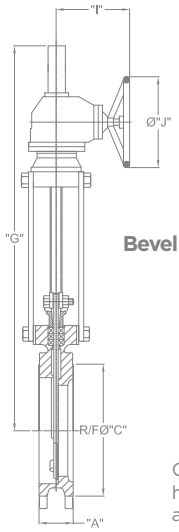
*Additional drilling options available. Consult factory for availability.

Dimensions

in. (mm)	A	B	C	D	E	F	G	H	I	J
2	1.89	4.76	3.62	13.05	14.15	18.10	--	7.99	--	--
(50)	48	121	92	332	359	460		203		
3	2.01	6.00	5.00	15.73	17.97	21.84	--	7.99	--	--
80	51	152	127	400	457	555		203		
4	2.01	7.50	6.18	17.36	20.67	24.49	--	7.99	--	--
(100)	51	191	157	441	525	622		203		
5	2.24	8.50	7.32	19.44	23.44	27.84	--	10.00	--	--
(125)	57	216	186	494	595	707		254		
6	2.24	9.53	8.50	20.94	25.87	31.31	--	10.00	--	--
(150)	57	242	216	532	657	795		254		
8	2.76	11.77	10.63	24.88	31.75	37.64	29.80	11.77	11.65	20.00
(200)	70	299	270	632	807	956	757	299	296	508
10	2.76	14.25	12.76	27.31	37.09	44.75	35.12	15.98	11.65	20.00
(250)	70	362	324	694	942	1137	892	406	296	508
12	2.99	17.01	14.76	30.70	42.50	50.14	41.06	15.98	11.65	20.00
(300)	76	432	375	780	1080	1274	1043	406	296	508
14	2.99	18.74	16.26	32.91	45.53	52.54	45.67	20.00	12.05	20.00
(350)	76	476	413	836	1157	1334	1160	508	306	508
16	3.50	21.26	18.50	36.26	50.59	57.95	49.61	20.00	12.05	20.00
(400)	89	540	470	921	1285	1472	1260	508	306	508
18	3.50	22.76	21.02	41.10	57.44	64.86	57.80	20.00	12.05	20.00
(450)	89	578	534	1044	1459	1647	1468	508	306	508
20	4.49	25.00	22.99	45.59	63.60	72.57	63.27	20.00	12.05	20.00
(500)	114	635	584	1158	1616	1843	1607	508	306	508
24	4.49	29.53	27.24	53.31	75.63	84.38	74.92	20.00	12.05	20.00
(600)	114	750	692	1354	1921	2143	1903	508	306	508

Dimensions are approximate and subject to change. Consult factory for certified drawings.





Consult factory for hydraulic and electric actuators dimensions.

Weights

Size	In	2	3	4	5	6	8	10	12	14	16	18	20	24
	mm	50	80	100	125	150	200	250	300	350	400	450	500	600
HANDWHEEL	lb	20	29	35	53	55	79	132	176	254	324	408	573	672
	kg	9	13	16	24	25	36	60	80	115	147	185	260	305
PNEUMATIC ACTUATOR	lb	35	44	55	84	88	132	220	324	419	496	584	805	937
	kg	16	20	25	38	40	60	100	147	190	225	265	365	425
GEAR OPERATOR	lb	--	--	--	--	--	99	179	198	298	397	463	650	772
	kg						45	80	90	135	180	210	295	350

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