

Series 760

Bidirectional Heavy Duty Slurry Valve



Bray / VAAS™

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The Bray/VAAS Series 760 is a bidirectional heavy duty slurry valve, designed for demanding slurry applications. Twin elastomer seats and push-through gate design facilitate self-cleaning and prevent media build up.

The durable ductile iron body is offered in a two-piece bolted flange style. When fully open, the valve is full bore, offering no resistance to line media.

- 1 Adaptable top works with removable stem nut for quick conversion between manual or pneumatic actuation. Features lubricant injection port promoting continuous, smooth operation and easy maintenance.
- 2 Metal-reinforced, elastomer sleeves provide energized, zero leakage shutoff in both directions. Retaining rings included as standard throughout the entire size range.
- 3 In the open position, the energized sleeves shield all metal components from direct contact with the flowing process media.
- 4 Robust gate available in a wide range of corrosion resistant alloys to suit the application.
- 5 Full port design provides unobstructed flow path, extending sleeve life and minimizing pressure drop across valve.
- 6 Ample clearance for push-through allows complete gate closure.
- 7 Flanged two-piece bolted body allows for easy maintenance and is drilled and tapped to ASME CL150 flange patterns as standard. Other drilling options available upon request.
- 8 Bottom flush plate with tapped ports provided as standard, allowing for safe discharge of media and easy flush water connection.



Standard Construction

Body	Gate	Seat	Stem	Wiper Support	Wiper	Topworks
DI	304	Nat. Rubber	304	CS	EPDM	Steel
CF8 (304)	304	Nat. Rubber	304	CS	EPDM	Steel
CF8M (316)	316	Nat. Rubber	304	CS	EPDM	Steel

Other Material Options: Body: LCC, CF3M (316L), CG8M (317). Gate: 317, 2507, 17-4 PH, Hastelloy®, Monel®, Titanium. Gland: 4A (2205), 5A (2507), CN7M (Alloy 20), CD4MCu. Topworks: 304, 316. Any other special materials not listed above can be supplied upon request.

Seat Options

Nat. Rubber	75°C/180°F
Nitrile	90°C/194°F
EPDM	120°C/248°F
Viton®	200°C/392°F

Wiper Detail



Actuator Options

Handwheel	Standard 2"-8"
Bevel Gear	Standard 10"-24"
Pneumatic	
Hydraulic	
Electric	

Specifications & Standards

Size Range 2" to 24" (50 - 600mm)

Pressure Rating 100psi (7bar) standard

Body Style Flanged, two-piece bolted

Design

Testing

Face-to-face

Certification

Drilling

Manufacturer Standard

MSS SP-81

Per industry standard

Canadian CRN

ASME B16.5 CL150, ASME B16.47 CL150

Dimensions

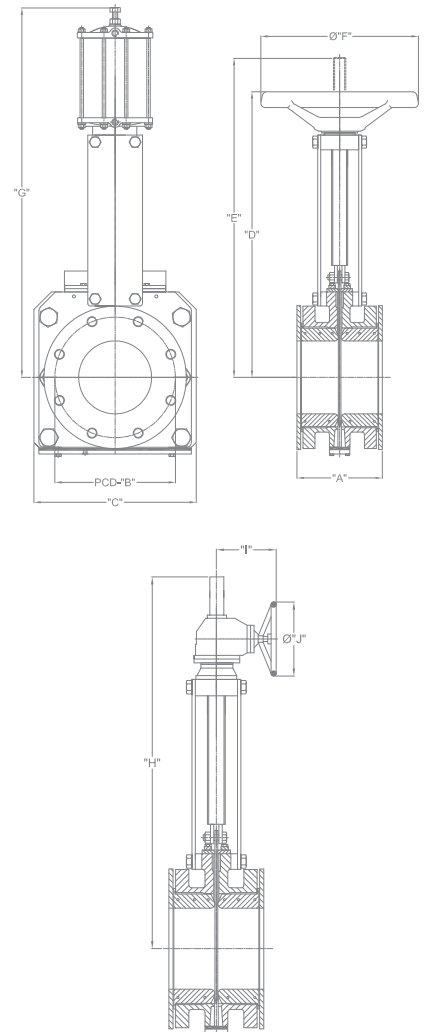
In. (mm)	A	PCD-B	C	D	E	ØF	G	H	I
2 (50)	6.88 (175)	4.74 (121)	7.44 (189)	15.03 (382)	16.41 (417)	10.00 (254)	23.22 (590)	--	--
3 (80)	6.88 (175)	6.00 (153)	8.85 (225)	16.73 (425)	19.40 (493)	10.00 (254)	25.59 (650)	--	--
4 (100)	6.88 (175)	7.50 (191)	10.27 (261)	18.46 (469)	22.12 (562)	10.00 (254)	29.52 (750)	--	--
5 (125)	6.88 (175)	8.50 (216)	11.65 (296)	20.94 (532)	26.25 (667)	12.00 (305)	35.43 (900)	--	--
6 (150)	7.00 (178)	9.50 (242)	12.79 (325)	22.51 (572)	28.54 (725)	12.00 (305)	35.82 (910)	--	--
8 (200)	7.24 (184)	11.75 (299)	14.40 (366)	25.43 (646)	33.38 (848)	12.00 (305)	39.76 (1010)	--	--
10 (250)	8.89 (226)	14.25 (362)	17.08 (434)	30.03 (763)	40.70 (1034)	12.00 (305)	48.81 (1240)	46.96 (1193)	9.68 (246)
12 (300)	10.11 (257)	17.00 (432)	20.86 (530)	32.51 (826)	46.96 (1193)	15.98 (406)	55.11 (1400)	53.83 (1367)	9.68 (246)
14 (350)	10.11 (257)	18.74 (476)	22.20 (564)	37.32 (948)	53.74 (1365)	15.98 (406)	62.99 (1600)	63.50 (1613)	9.68 (246)
16 (400)	10.98 (279)	21.25 (540)	24.25 (616)	40.59 (1031)	58.70 (1491)	15.98 (406)	68.89 (1750)	65.03 (1652)	10.47 (266)
18 (450)	12.24 (311)	22.75 (578)	26.37 (670)	--	--	--	72.83 (1850)	73.34 (1863)	10.47 (266)
20 (500)	14.13 (359)	25.00 (635)	29.13 (740)	--	--	--	80.70 (2050)	78.30 (1989)	10.47 (266)
24 (600)	14.64 (372)	29.50 (750)	34.76 (883)	--	--	--	97.04 (2465)	88.77 (2255)	10.55 (268)

Dimensions given above are indicative. Please request certified drawings for piping layout.

Weights

Size (In.)	2	3	4	6	8	10	12	14	16	18	20	24
Weight (lbs)	46	59	73	143	161	269	320*	489*	558*	802*	1078*	1336*
Size (mm)	50	80	100	150	200	250	300	350	400	450	500	600
Weight (kgs)	21	27	33	65	73	122	145*	222*	253*	364*	489*	606*

*Weight shown with bevel gear actuator standard on 10"-24" valves.



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