

Series 760

Bidirectional Heavy Duty Slurry Valve



Bray / VAAS™

2"-30" (50-750mm) 100psi (7bar)

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Bidirectional Heavy Duty Slurry Valve

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.

* Shown with stem cover (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 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 Unrestricted flow path with minimal pressure drop achieved through full port valve design for extended sleeve life.
- 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	Nat. Rubber	304	CS	EPDM	Steel
CF8M	316	Nat. Rubber	304	CS	EPDM	Steel

Actuator Options*

Bevel Gear	Standard 10"-24"
Pneumatic	
Hydraulic	
Electric	

*Direct Mounted Handwheel (Standard 2"-8").

Body Options

Carbon Steel (WCB)
CF8 Stainless Steel
CF8M Stainless Steel
CF3M Stainless Steel
SAF 2205 Duplex
SAF 2507 Duplex

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

Gate Options

304, 316, 317 Stainless Steel
SAF 2507 Duplex
17-4PH Stainless Steel
Hastelloy® C
Monel®
Titanium

Seat Options

Nat. Rubber	-60°-165°F/-51°-74°C
Buna-N	-35°-194°F/-37°-90°C
EPDM	-65°-248°F/-54°-120°C
Viton®	-15°-392°F/-26°-200°C

Specifications & Standards

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

Pressure Rating* 100psi (7bar)

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

*Additional pressure ratings may be available upon request. Consult factory for availability.

*Additional drilling options available. Consult factory for availability.

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

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*

*Approximate weights shown with bevel gear actuator standard on 10"-24" valves, consult factory for additional configurations.

