

Series 762

Bidirectional Heavy Duty Slurry Valve



Bray / VAAS®

3"-24" (80-600mm) 240psi (16bar)

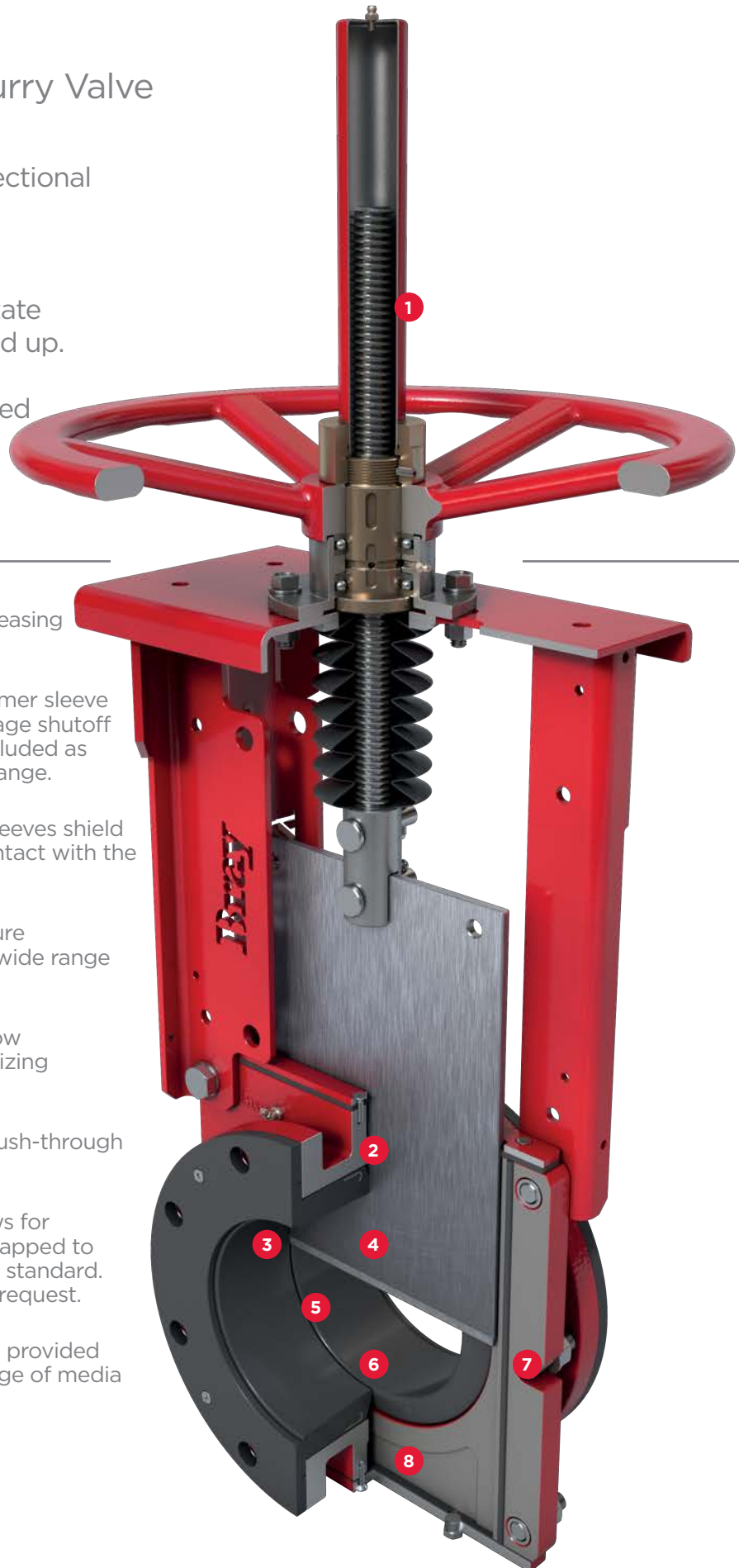
Series 762

Bidirectional Heavy Duty Slurry Valve

The Bray/VAAS Series 762 is a bidirectional heavy duty slurry valve, designed for demanding high pressure 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 bore offers no resistance to line media.

- 1 Protective stem cover is standard increasing cycle life in hazardous environments.
- 2 Unique J-ring steel-reinforced, elastomer sleeve design provides 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 designed for high pressure slurry applications and available in a wide range of corrosion resistant alloys.
- 5 The design provides unobstructed flow path, extending sleeve life and minimizing pressure drop across valve.
- 6 Designed with ample clearance for push-through allowing complete gate closure.
- 7 Flanged two-piece bolted body allows for easy maintenance and is drilled and tapped to ASME B16.5 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

Pressure Class	Body	Gate	Seat	Stem	Wiper Support	Wiper	Topworks
10bar	DI	316	Nat. Rubber	304	CS	Polyurethane	Steel
16bar	DI	17-4	Nat. Rubber	304	CS	Polyurethane	Steel

Body Options

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

Gate Options

304, 317 Stainless Steel
SAF 2507 Duplex
SAF 2205 Duplex
17-4PH Stainless Steel
Hastelloy® C
Monel®

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

Actuator Options

Direct Mounted
Handwheel - Standard
Bevel Gear
Pneumatic
Hydraulic
Electric

Seat Options

Nat. Rubber -60°-165°F/-51°-74°C
EPDM -65°-248°F/-54°-120°C

Specifications & Standards

Size Range 3" to 24" (80 - 600mm)
Pressure Rating Up to 24" (600mm) 240psi (16bar)
Body Style Two-piece bolted (Flanged)

Design Manufacturer standard
Testing Tested to 1.1x rated pressure
Face-to-face Per industry standard
Drilling* ASME B16.5 CL150

*Additional drilling options available. Consult factory for availability.

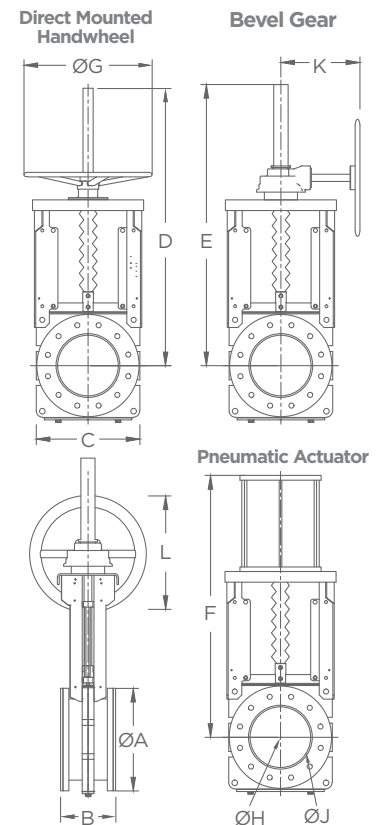
Dimensions

In. mm	ØA	B	C	D	E	F	ØG	ØH	ØJ	K	L
3 80	7.52 191	6.89 175	8.90 226	18.94 481	--	28.48 724	11.81 300	2.44 62	2.83 72	--	--
4 100	9.02 229	6.89 175	11.02 280	21.77 553	--	30.32 770	11.81 300	3.35 85	3.78 96	--	--
6 150	11.02 280	7.01 178	13.03 331	28.03 712	--	38.29 972	15.75 400	5.79 147	6.02 153	--	--
8 200	13.50 343	7.28 185	15.08 383	32.91 836	--	44.78 1137	19.69 500	7.36 187	7.76 197	--	--
10 250	16.02 407	8.90 226	16.57 421	38.78 985	43.21 1098	50.62 1286	19.69 500	9.09 231	9.80 249	16.63 423	19.69 500
12 300	19.02 483	10.16 258	21.02 534	52.05 1322	50.00 1270	59.19 1504	23.62 600	11.18 284	11.26 286	18.11 460	19.69 500
14 350	21.10 536	10.16 258	22.76 578	57.76 1467	55.71 1415	65.39 1661	23.62 600	12.40 315	13.23 336	19.29 490	19.69 500
16 400	23.27 591	11.02 280	24.25 616	61.22 1555	60.43 1535	71.13 1807	27.56 700	14.02 356	14.76 375	19.98 508	19.69 500
18 450	25.16 639	12.28 312	26.54 674	66.50 1689	65.98 1676	76.41 1941	27.56 700	15.43 392	17.05 433	21.75 553	19.69 500
20 500	27.28 693	14.13 359	28.39 721	71.48 1816	70.96 1803	81.79 2078	27.56 700	17.28 439	18.58 472	22.64 575	29.53 750
24 600	32.01 813	14.65 372	33.82 859	86.50 2197	86.77 2204	96.81 2459	27.56 700	21.54 547	23.54 598	25.00 635	29.53 750

Dimensions given above are indicative. Please request certified drawings for piping layout.
Face-to-Face includes the retainer flanges, add 1/4" to 1/2" (6mm to 13mm) for ease of installation

Weights

Size	in mm	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600
HANDWHEEL	lb	90	106	176	229	284	417	518	648	880	1021	1680
	kg	41	48	80	104	129	189	235	294	399	463	762
GEAR OPERATOR	lb	--	--	--	--	291	421	522	699	968	1108	1843
	kg	--	--	--	--	132	191	237	317	439	502	836



Consult factory for hydraulic and electric actuators dimensions.

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