

# Series 766

Bidirectional Slurry Valve



**Bray / VAAS®**

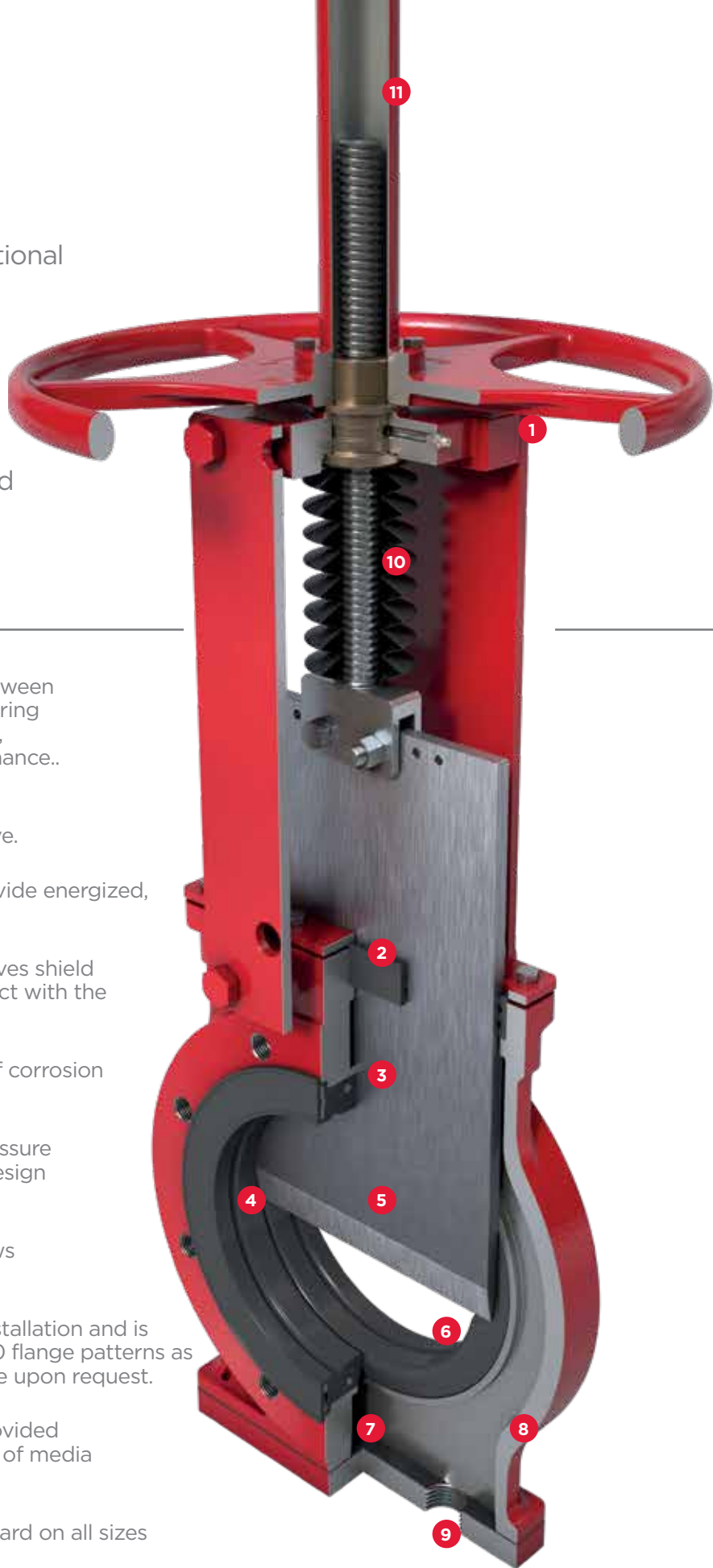
3"-24" (80-600mm) 150psi (10bar)

# Series 766

## Bidirectional Slurry Valve

The Bray/VAAS Series 766 is a bidirectional 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 compact wafer style. When fully open, the valve bore offers no resistance to line media.



- 1 Designed for easy, quick conversion between manual and pneumatic actuation. Featuring a lubricant injection port for continuous, smooth operation with minimal maintenance..
- 2 Secondary wiper seal extends gate life and prevents discharge from top of valve.
- 3 Metal-reinforced, elastomer sleeves provide energized, zero leakage shutoff in both directions.
- 4 In the open position, the energized sleeves shield all metal components from direct contact with the flowing process media.
- 5 Robust gate available in a wide range of corrosion resistant alloys to suit the application.
- 6 Unrestricted flow path with minimal pressure drop achieved through full port valve design for extended sleeve life.
- 7 Ample clearance for push-through allows complete gate closure.
- 8 Compact wafer body allows for easy installation and is drilled and tapped to ASME B16.5 CL150 flange patterns as standard. Other drilling options available upon request.
- 9 Drain plate with tapped purge ports provided as standard, allowing for safe discharge of media and easy flush water connection.
- 10 Protective rod boot/stem cover is standard on all sizes
- 11 Upper stem protection is standard on all sizes.

## Standard Construction

Body	Gate	Seat	Stem	Wiper Support	Wiper	Topworks
DI	304	Nat. Rubber	304	CS	EPDM	Steel

## Body Options

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

## Gate Options

316, 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 (3"-10")
Bevel Gear - Standard (12"-24")
Pneumatic
Hydraulic
Electric

## Seat Options

Nat. Rubber	165°F/74°C
EPDM	248°F/120°C

## Specifications & Standards

Size Range	3" to 24" (80 - 600mm)
Pressure Rating	150psi (10bar)
Body Style	One-piece (Wafer)

Design	Manufacturer Standard
Testing	MSS SP-81
Face-to-face	MSS SP-81
Drilling	ASME B16.5 CL150

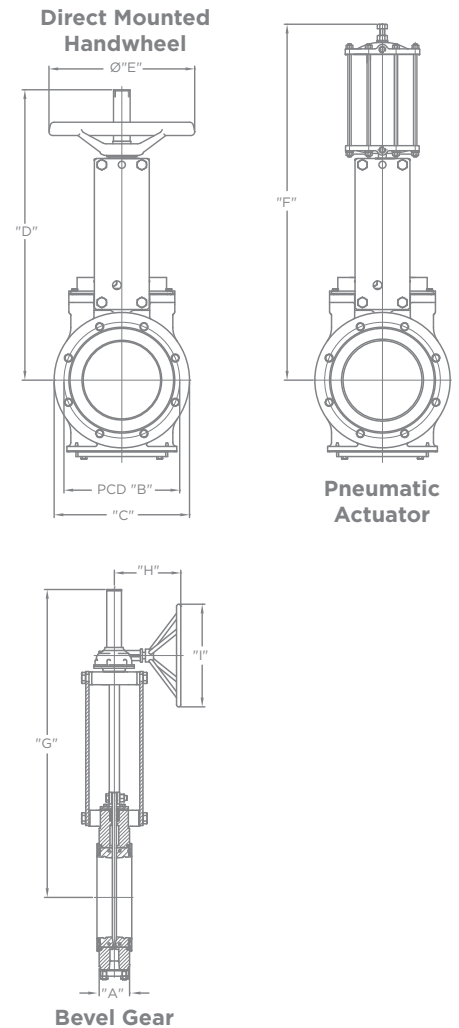
## Dimensions

In. (mm)	A	B	C	D	ØE	F	G	H	I
<b>3</b>	2.24	6.02	7.87	23.62	11.77	27.56	--	--	--
<b>80</b>	57	153	200	600	299	700	--	--	--
<b>4</b>	2.24	7.50	9.06	27.17	11.77	30.91	--	--	--
<b>100</b>	57	191	230	690	299	785	--	--	--
<b>6</b>	2.52	9.50	11.22	33.07	15.98	39.17	34.65	11.65	20.00
<b>150</b>	64	241	285	840	406	995	880	296	508
<b>8</b>	2.99	11.75	13.58	38.19	20.00	51.57	46.85	12.05	20.00
<b>200</b>	76	299	345	970	508	1310	1190	306	508
<b>10</b>	2.99	14.25	15.94	44.88	20.00	51.57	46.85	12.05	20.00
<b>250</b>	76	362	405	1140	508	1310	1190	306	508
<b>12</b>	3.27	17.01	19.09	--	--	59.76	52.56	12.05	20.00
<b>300</b>	83	432	485	--	--	1518	1335	306	508
<b>14</b>	3.27	18.74	21.06	--	--	64.17	58.46	12.05	20.00
<b>350</b>	83	476	535	--	--	1630	1485	306	508
<b>16</b>	3.74	21.26	23.62	--	--	73.23	63.39	12.99	20.00
<b>400</b>	95	540	600	--	--	1860	1610	330	508
<b>18</b>	3.78	22.76	25.51	--	--	75.98	70.87	12.99	20.00
<b>450</b>	96	578	648	--	--	1930	1800	330	508
<b>20</b>	4.76	25.00	28.15	--	--	80.71	78.74	13.46	20.00
<b>500</b>	121	635	715	--	--	2050	2000	342	508
<b>24</b>	4.76	29.50	33.07	--	--	96.06	87.40	13.46	20.00
<b>600</b>	121	749	840	--	--	2440	2220	342	508

## 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	54	75	110	203	247	--	--	--	--	--	--
	kg	24.5	34	50	92	112	--	--	--	--	--	--
PNEUMATIC ACTUATOR	lb	84	104	139	295	335	512	655	827	815	1157	1576
	kg	38	47	63	134	152	232	297	375	370	525	715
GEAR OPERATOR	lb	--	--	--	--	298	368	496	650	657	756	1334
	kg	--	--	--	--	135	167	225	295	298	343	605

Approximate weights shown. Consult factory for additional configurations.





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