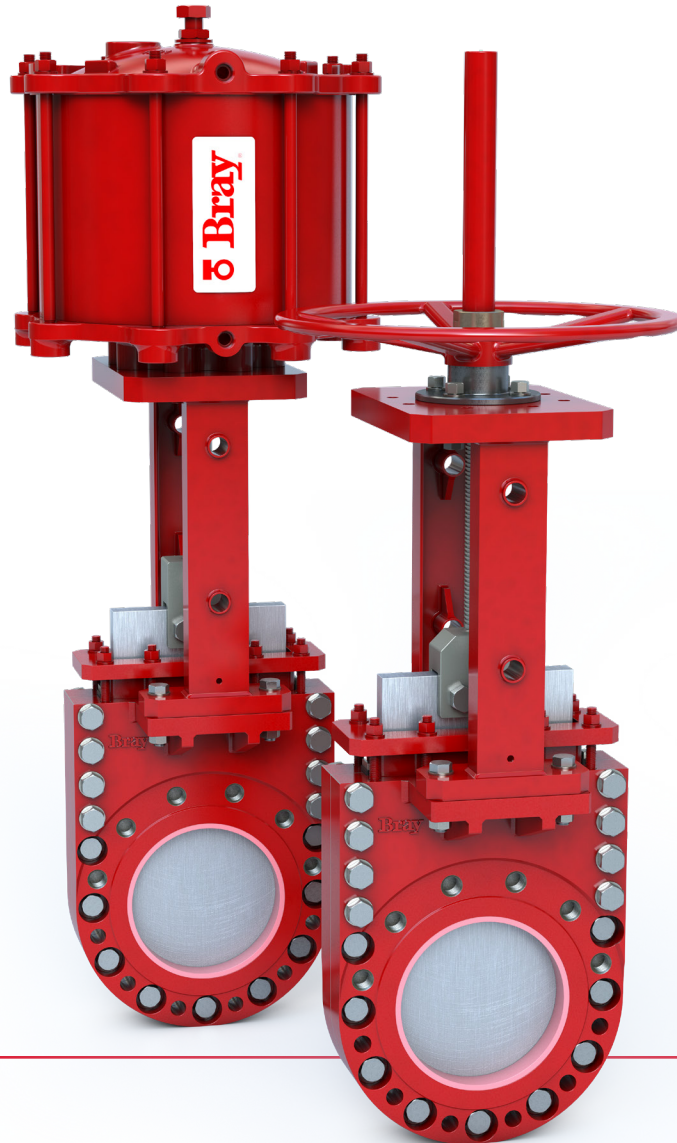

SERIES 755HP

BIDIRECTIONAL URETHANE BORE LINED SLURRY VALVES

3" to 24" 450psi (30bar), 740psi (50bar)



Bray[®]

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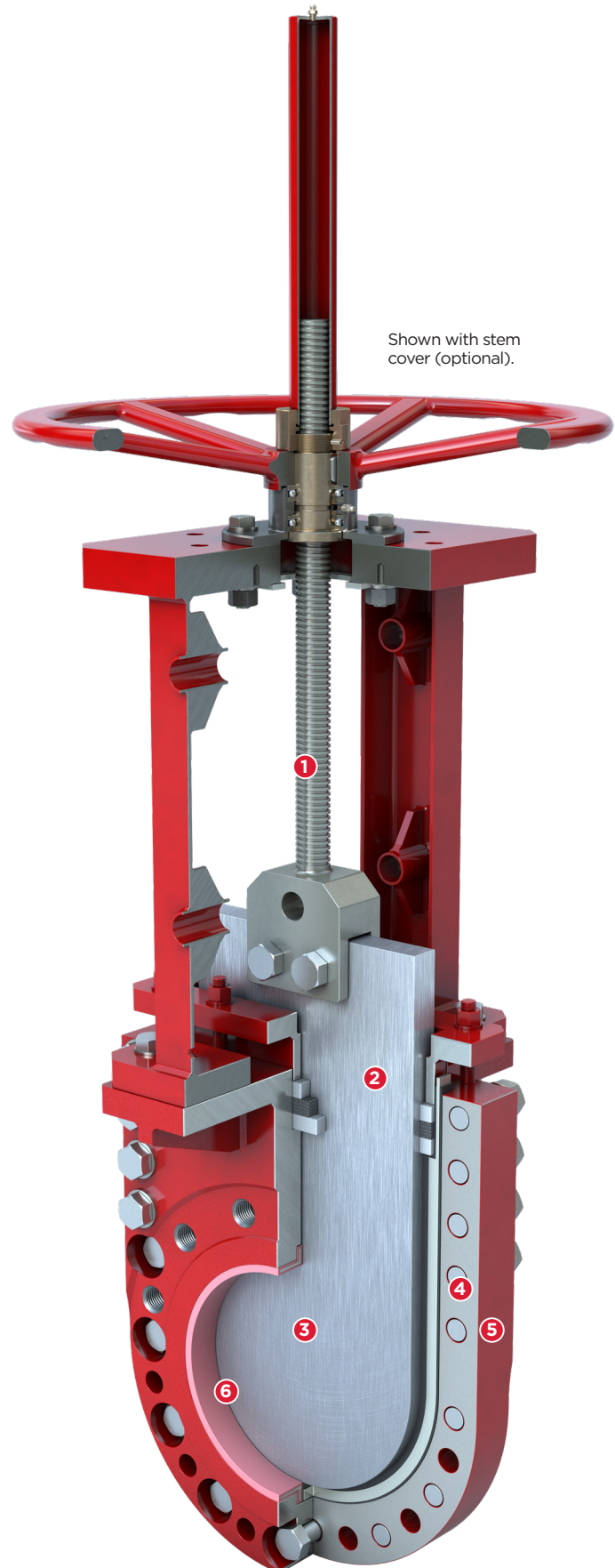
FEATURES & BENEFITS

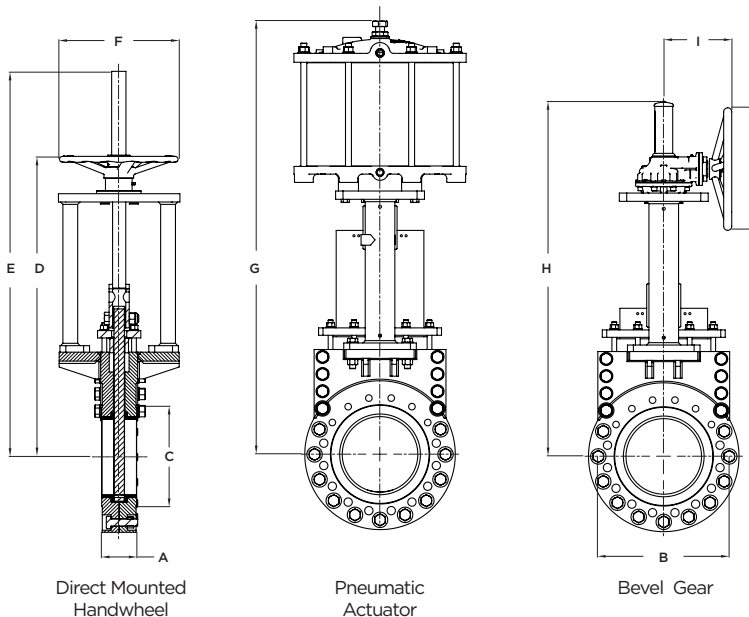
DESIGN FEATURES

The Bray Series 755HP features a field replaceable polyurethane bore liner making it an economical solution for abrasive applications. Utilizing the same robust steel reinforced perimeter seat as the Series 752 enables bidirectional zero leakage shutoff.

The replaceable steel reinforced elastomer perimeter seat is mechanically retained between both halves of the two-piece bolted body providing unsurpassed performance in the most demanding applications.

- 1 Clevis design and horizontal bolting stabilizes gate ensuring proper alignment.
- 2 Standard multi-layer square packing provides exceptional gland sealing.
- 3 Unrestricted flow path with minimal pressure drop achieved through full port valve design.
- 4 Replaceable steel reinforced elastomer perimeter seat ensures bidirectional zero leakage shutoff.
- 5 Two-piece bolted body for easy maintenance and seat replacement.
- 6 Polyurethane bore liner provides protection from abrasive media.





DIMENSIONS (inches)										
NPS	A*	B	C	D	E	F	G	H	I	J
3	2.00	6.02	5.00	15.71	18.49	7.99	21.84	--	--	--
4	2.00	7.52	6.18	17.73	22.73	10.00	25.24	--	--	--
6	2.25	9.53	8.50	22.36	28.74	11.77	33.41	--	--	--
8	2.75	11.77	10.63	24.95	35.28	15.98	40.06	--	--	--
10	2.75	14.25	12.76	31.51	40.67	15.98	50.07	44.27	12.05	20.00
12	3.00	17.01	14.76	--	--	--	55.72	51.61	12.05	20.00
14	3.00	18.74	16.26	--	--	--	59.99	56.59	12.05	20.00
16	3.50	21.26	18.50	--	--	--	70.46	62.83	12.99	20.00
18	3.50	22.76	21.00	--	--	--	77.64	69.59	12.99	20.00
20	4.50	25.00	22.99	--	--	--	86.14	81.10	13.46	20.00
24	4.50	29.53	27.24	--	--	--	99.08	94.15	13.46	20.00

*Approximate weight shown, consult factory for additional configurations

DIMENSIONS (Millimeters)										
DN	A	B	C	D	E	F	G	H	I	J
80	51	153	127	419	470	203	575	--	--	--
100	51	191	157	510	577	254	701	--	--	--
150	57	242	216	622	730	299	903	--	--	--
200	70	299	270	703	896	406	1086	--	--	--
250	70	362	324	800	1033	406	1272	1125	306	508
300	76	432	375	--	--	--	1415	1311	306	508
350	76	476	413	--	--	--	1524	1437	306	508
400	89	540	470	--	--	--	1790	1596	330	508
450	89	578	534	--	--	--	1972	1768	330	508
500	114	635	584	--	--	--	2188	2060	342	508
600	114	750	692	--	--	--	2517	2392	342	508

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

WEIGHTS (lbs)										
Size (in.)	3	4	6	8	10	12	14	16	18	20 24
Handwheel										
Pneumatic Actuator										Consult Factory
Gear Operator										

WEIGHTS (kg)										
Size (mm)	80	100	150	200	250	300	350	400	450	500 600
Handwheel										
Pneumatic Actuator										Consult Factory
Gear Operator										

*Approximate weight shown, consult factory for additional configurations

STANDARD CONSTRUCTION

Body	CS	CS
Gate	304	316
Seat	Buna-N	Buna-N
Stem	304	304
Gland	CS	CS
Packing	Energized Quad Seal	Energized Quad Seal
Topworks	Steel	Steel

SPECIFICATIONS

Size Range	3" - 24"
Pressure	450psi (30bar)
Rating	740psi (50bar)
Body Style	Two-piece bolted (Wafer)

STANDARDS

Design	Manufacturer Standard
Testing	MSS SP-151
Face-to-Face	MSS SP-135
Drilling*	ASME B16.5 CL150

*Additional drilling options available. Consult factory for availability.

ACTUATOR OPTIONS

Direct Mounted Handwheel
Bevel Gear
Pneumatic
Hydraulic
Electric

BODY OPTIONS

CF3M Stainless Steel

GATE OPTIONS

304, 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

PACKING OPTIONS

PTFE impregnated synthetic fiber	450 °F/ 232°C
PTFE w/Buna-N Quad Seal	94°F / 90°C
PTFE w/Viton® Quad Seal	392°F / 200°C

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

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