

OVERVIEW

The Bray Series 746HP features a one-piece polyurethane bonded liner throughout the body and chest providing Zero Leakage shutoff in the most abrasive applications. The liner extends over the front face of the body, ensuring total protection from abrasive media and eliminating the need for additional gaskets.

The one-piece, durable ductile iron body is offered in a compact wafer style for ease of handling and installation.

SPECIFICATIONS

Size Range	NPS 2 to 24 DN 50 to 600
Temperature Range	Polyurethane: -20°F to 194°F -29°C to 90°C
Pressure Rating	150psi 10 bar 232 psi 16 bar
Body Style	One-Piece - Wafer

APPLICATIONS

Wastewater	Power
> Slurry/Sludge Lines	> Fly Ash Bottom Ash
	> Branch Lines
Mining	Chemical
> Mineral Mining	> Process Fluids &
> Coal Washeries	Chemicals
> Coal Preparation	> Petroleum Products

FEATURES

- 1 Upper and lower protective stem cover is standard in all models, increasing cycle life in hazardous environments.
- 2 Multi-layer square packing with energized quad seal provides exceptional gland sealing.
- 3 Standard one-piece ductile iron body with polyurethane bonded liner throughout. Polyurethane body liner is rated up to 194°F/90°C and completely protects valve body from abrasive line media.
- 4 Unrestricted flow path with minimal pressure drop achieved through full port valve design for extended valve life.
- 5 Available in a wide range of corrosion-resistant alloys, the robust tapered edge gate efficiently cuts through thick slurries or solids in the flow.
- 6 Seat and port designed to be flush eliminating cavities where media can collect and prevent full gate closure.



STANDARD CONSTRUCTION

Body	Ductile Iron
Gate	10bar - 316 Stainless Steel 16bar - 2205
Liner	Polyurethane
Stem	304
Gland	Carbon Steel
Packing	PTFE Impregnated Synthetic Fiber + Quad Seal
Topworks	Carbon Steel

DESIGN STANDARDS

Face-to-Face	MSS SP-81
Flange Drilling	ASME B16.5 CL150
Design Standard	Manufacturer Standard
Testing Standard	MSS SP-151

MATERIAL OPTIONS

Gate	304, 317 Stainless Steel 17-4PH Stainless Steel
	SAF 2507 Duplex Hastelloy® C
	SAF 2205 Duplex Monel®
Stem	316
Packing	PTFE w/Copper Wiper Graphite
	PTFE w/Viton Quad Seal

ACTUATOR OPTIONS

Direct Mounted Handwheel		Bevel Gear Operator		Lever
Double Acting Pneumatic		Hydraulic		Electric

BODY STYLE



Solid Flange
(NPS 2 to 12)



Double Flange
(NPS 14 to 24)