

**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**

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

**APPLICATIONS**

**Wastewater**

- > Slurry/Sludge Lines

**Power**

- > Fly Ash | Bottom Ash
- > Branch Lines

**Mining**

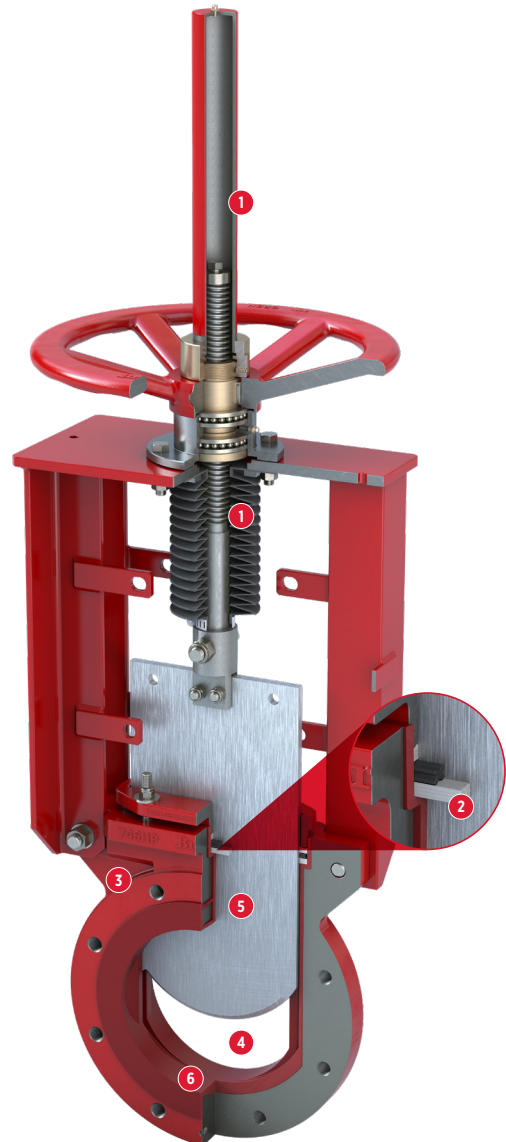
- > Mineral Mining
- > Coal Washeries
- > Coal Preparation

**Chemical**

- > Process Fluids & Chemicals
- > 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**

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

**DESIGN STANDARDS**

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

**MATERIAL OPTIONS**

<b>Gate</b>	304, 317 Stainless Steel   17-4PH Stainless Steel SAF 2507 Duplex   Hastelloy® C SAF 2205 Duplex   Monel®
<b>Stem</b>	316
<b>Packing</b>	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)