

Bray®

YOUR GLOBAL FLOW CONTROL PARTNER



BRAY/McCANNALOK

Metal Seated High Performance Butterfly Valves

Features

- Body Style: Wafer, Lug and Double Flanged
ASME Class 150 and 300: 2-1/2" – 30" (65mm - 750mm)
ASME Class 600: 3" – 14" (80mm - 350mm)
- Capabilities up to 900 °F (482 °C)
- Wear-resistant Inconel® 718 metal seat provides industry leading low torque
- 3rd party validated high temperature tested
- High strength, anti-blowout one piece stem
- Nitrided disc for abrasion resistance
- Contoured disc to maximize flow
- Full face retaining ring protects seat in abrasive applications
- Easily accessible and adjustable stem packing
- Class IV bi-directional leakage rates through full pressure range tested in accordance to IEC 60534-4 and ANSI/FCI 70-2-2013
- Alternative flange drilling available

The Bray/McCannalok Metal Seated Valve has been extensively performance tested in our state-of-the-art technology center and test laboratory. The Inconel® 718 metal seat has been contoured to provide control, strength and flexibility in HIGH TEMPERATURE applications. The Technology Group's design validation procedure includes cycle, torque and leakage testing to ensure long service life.

Applications

High Temperature

Abrasive

Hot Oil

Hot Air and Gas

Saturated Steam

Slurries

Chemical Processing

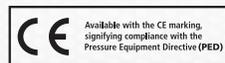
Modulation and Control



Bray offers a full range of electric and pneumatic actuators with accessories to meet your modulation and control needs.

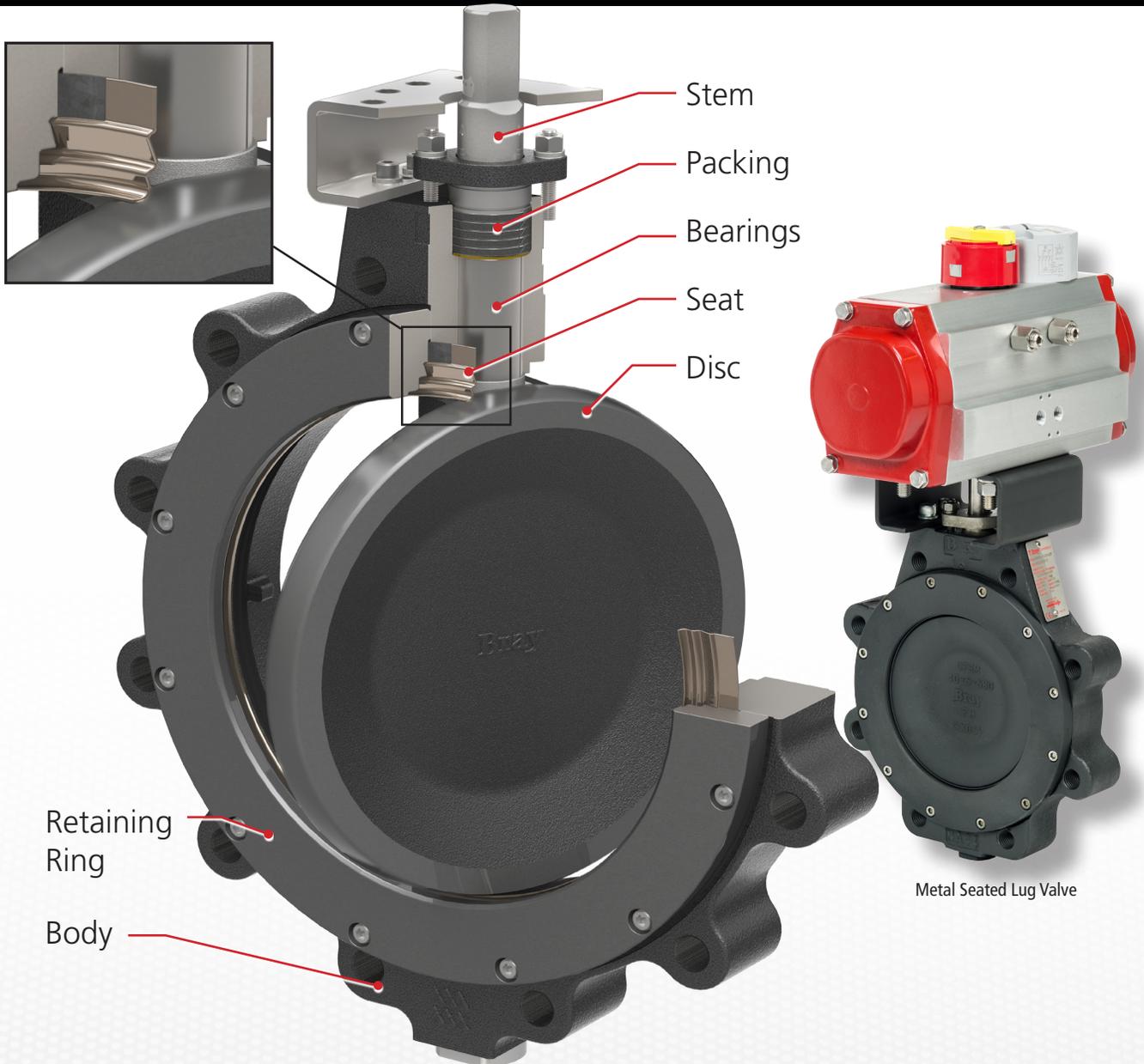


Metal Seated Wafer Valve



Bray Technical Center – Houston, Texas





Materials of Construction:

Multiple trim combinations allow flexibility to meet your actual application.

Item	500 °F (260 °C)	750 °F (399 °C)	800 °F (426 °C)	900 °F (482 °C)
Body/ Retaining Ring:	Carbon Steel: ASTM A216 Gr WCB or ASTM A516 Gr 70 Stainless Steel: ASTM A351 Gr CF8M			Stainless Steel: ASTM A351 Gr CF8M
Stem:	17-4 PH Stainless Steel: ASTM A564 Type 630 Gr H1150D		Stainless Steel: ASTM A479 Gr 316 Strain Hardened Level 1 (optional) Nitronic 50 (XM-19) For applications that require full ASME ratings, please consult factory.	
Disc:	Nitrided Stainless Steel, ASTM A351 Gr CF8M			
Seat:	Inconel® 718			
Bearings:	316 Stainless Steel with TFE and Glass Fabric Liner	Nitrided 316 Stainless Steel		
Packing:	PTFE/Carbon Fiber	Flexible Graphite rings		

ASTM A352 Grade LCC Impact-Tested Carbon Steel is available for -50 °F (-46 °C) minimum rating. Inconel® is a registered trademark of Inco Alloys International, Inc.



Global Manufacturing, Service Around the Corner

**To serve you locally, each region maintains a
factory certified sales and service network
for all Bray International products.**



Bray Controls

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