

# High Performance Butterfly Valves

# REALTEC

exploring infinity



**Bray Global Uniformity:**  
All internal valve parts  
are interchangeable, no  
matter where in the  
world the valve is  
manufactured

**TRIPLE OFFSET METAL SEATED**  
High Pressure zero  
Leakage  
Metal to Metal Sealing

**DOUBLE OFFSET METAL SEATED**  
Double offset metal  
seated

**HIGH PERFORMANCE DOUBLE OFFSET**  
High Pressure zero  
Leakage

**CRYOGENIC & LOW TEMPERATURE**  
Double offset with  
Unique Polar Seat

**Replaceable Body Seat**  
reduces field  
maintenance  
costs.

**Optimized Disc Profile**  
provides maximum strength  
and maximum flow capacity.

**Replaceable Disc Seal**  
reduces field  
maintenance costs.

**Bearing Seals**  
eliminate media solid  
ingress.

**Stem Bearings**  
support the stem and  
eliminate galling.



**Alignment Marks**  
on body seat,  
disc, disc seal and disc  
seal retainer provide  
easy line assembly.

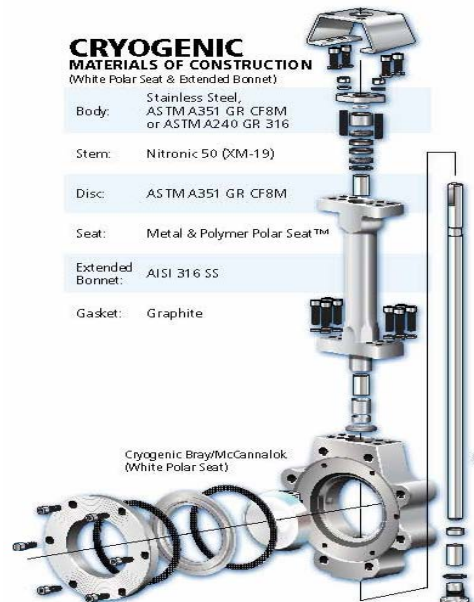
**Splined Disc to Stem Connection**  
allows disc alignment, and  
eliminates hydraulic and  
external pin/taper pins.

**Inboard Body Hub & Bearing System**  
minimizes stem bending and stress, prevents  
process debris ingress and maintains body  
seat / disc seal alignment.

## CRYOGENIC MATERIALS OF CONSTRUCTION

(White Polar Seat & Extended Bonnet)

- Body:** Stainless Steel, ASTM A351 GR CF8M or ASTM A240 GR 316
- Stem:** Nitronic 50 (XM-19)
- Disc:** ASTM A351 GR CF8M
- Seat:** Metal & Polymer Polar Seat™
- Extended Bonnet:** AISI 316 SS
- Gasket:** Graphite



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