

# Product Features of Jag Neway DIB-1 and DIB-2 Ball Valves

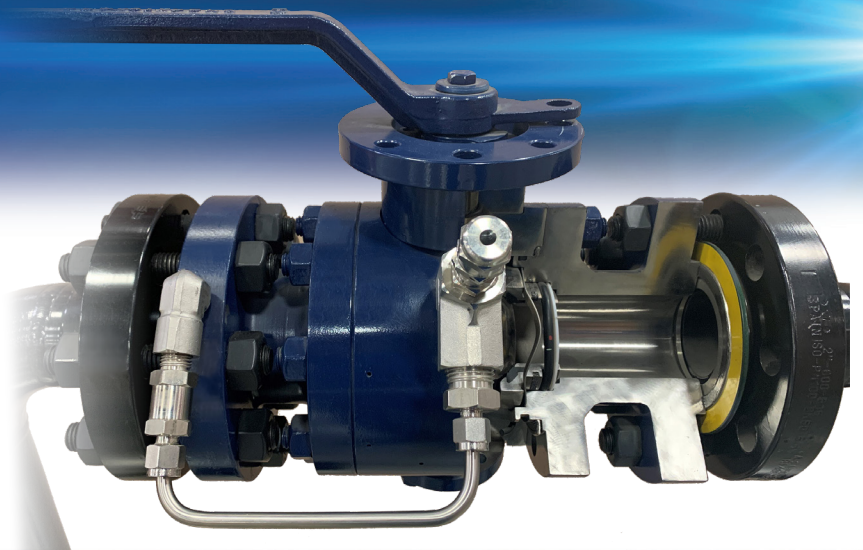


- Two piece seat design: Delta shaped Viton GLT seat with PEEK back up ring
- Fully interchangeable seat configuration with no machining required
  - Performed in-house at JAG between DIB-1, DIB-2 and Self-Relieving
- Body and end caps are tapped and plugged allowing for economical LRK installation (by others or in house at JAG)
- Temperature range of  $-46^{\circ}\text{C} - 200^{\circ}\text{C}$
- Blowout proof stem with antistatic device
- Emergency stem and seat sealant injection fittings
- Firesafe API 607 with backup metal seating
- Conforms to CSA Z245.15, ANSI B16.34, API 6D, NACE MR-0175/ISO 15156

## DIB-1

In a DIB-1 design both seats are of Double Piston Effect (DPE). Pressure acts on both sides of the seat to create a tight seal. In the event of damage to one seat, the pressure in the body cavity activates the opposite seat to seal.

Depending on the service application, this design may require installation of a Liquid Relief Kit (LRK) to relieve excess pressure developed in the body cavity of the valve due to thermal expansion.



## DIB-2

In a DIB-2 design, two types of seats are utilized – Double Piston Effect (DPE) and Single Piston Effect (SPE). This feature allows the DPE seat on one side of the valve to provide a positive seal in either direction while the SPE seat on the other side of the valve allows for relief of excess pressure within the valve body cavity to the upstream or downstream side of the valve, depending on orientation.

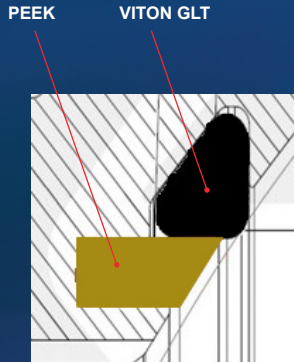
This design eliminates the need for LRK installation.

To assist with orientation concerns during installation, JAG provides extra labeling and nomenclature on the valve body to identify which seat is self relieving.

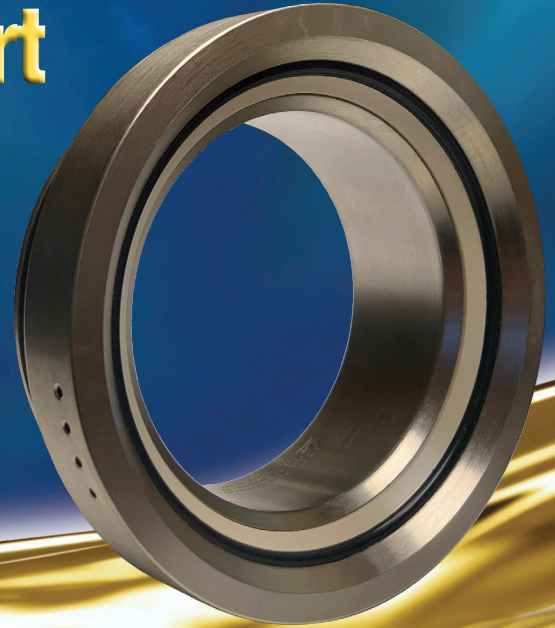


# Product Features of **DIB-1** and **DIB-2** Ball Valves

## Delta Viton GLT Seat | Insert



- Our Delta Viton GLT seat insert is locked into the seat carrier with a PEEK back up ring
  - Primary Viton GLT Seal
  - Secondary PEEK Seal at full differential pressure



## JAG DIB-1 Models

## JAG DIB-2 Models

- PTD3 3 Piece Bolted Body
- PTD2 2 Piece Bolted Body Only Used for:
  - 2" to 4" ASME Class 150
  - 2" ASME Class 300

- STD3 3 Piece Bolted Body
- STD2 2 Piece Bolted Body Only Used for:
  - 2" to 4" ASME Class 150
  - 2" ASME Class 300

BILL OF MATERIALS	
PART	MATERIAL
BODY / CAP	A350 LF2
STEM / BALL / SEATS	A350 LF2 (3mil ENP)
SEAT INSERT	VITON GLT / PEEK
BODY SEALS	VITON GLT
FIRESAFE SEALS	GRAPHITE
STUDS / NUTS	L7M / 7M
FITTINGS	A182 F316

SIZES AVAILABLE	
SIZE	ASME CLASS
2" - 48"	150
2" - 48"	300
2" - 36"	600
3" - 18"	900
2" - 12"	1500

Other Materials available upon request

