



BLACKHALL

cryogenics



CRYOGENIC DIVERTOR VALVE Series 2005



Features

Blackhall diverter valves incorporate many features of great advantage in the cryogenic industry.

- Available in Bronze & Stainless Steel
- Type 24/60/160 CV options
- Modular lightweight Design
- Full bore design
- Flow modelled ports with high flow internals
- Low Torque
- Fully RATED to - 196° C for Oxygen Service
- 50 Bar Pressure Rating
- High Sealing integrity and performance with proven long life
- Fail safe - flow through operating cycle
- Enhanced safety - Sleeve fits in one orientation only
- Optional inlet and connections
- Low Maintenance
- Cost Effective
- Tamper Proof

Technical Data

Flow coefficients are vastly improved versus conventional ball type divertors

| Series and Type | Size | C v- US units (Conventional) | |
|----------------------|-------------|------------------------------|-------------|
| | | Max 2 Ports | Std. 1 Port |
| Series 2005 Type 24 | 1" x 3/4" | 44 (25) | 24 (18) |
| Series 2005 Type 24 | 1 1/2" x 1" | 44 | 24 |
| Series 2005 Type 60 | 2" x 1 1/2" | 85 (58) | 62 (42) |
| Series 2005 Type 60 | 2 1/2" x 2" | 221 (175) | 163 (126) |
| Series 2005 Type 160 | 3" x 2" | 221 | 163 |

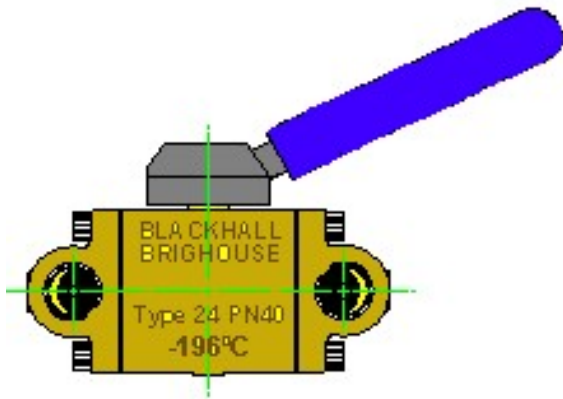




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| Series 2005 Type/Size | | Connection Type | Center to Centre |
|-----------------------|--------|-------------------|------------------|
| Type | ins | Outlet | 'A' |
| 24 | 1" | 3/4" Screwed | 180 |
| 24 | 1 1/2" | 1" Screwed | 180 |
| 60 | 2" | 1 1/2" Screwed | 205 |
| 160 | 2 1/2" | Class 150 Flanged | 275 |
| 160 | 3" | Class 150 Flanged | 275 |

Technical Data

The Series 2005 divertor valve incorporates a large full bore design. A full flow throughout the 180 Degree stroke of the valve handle is achievable.

