

**RDI Engineering BDRV Key Specs.****BURST DISC/RELIEF VALVE APPLICATION DATA**

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|          |          |                 |  |
|----------|----------|-----------------|--|
| COMPANY: |          | Tel:            |  |
| CONTACT: | (TITLE): | FAX:            |  |
| ADDRESS: |          | E-MAIL:         |  |
| DATE:    |          | QUOTE DUE DATE: |  |

**APPLICATION DETAILS:** (please attach customer drawing / sketch)

Brief Description:

Program used on:

|                             |     |             |                             |                 |    |
|-----------------------------|-----|-------------|-----------------------------|-----------------|----|
| Annual quantities:          |     | # of years: |                             | RFQ Quantities: |    |
| Is This a New Design?       | Yes | No          | Are Modifications Possible? | Yes             | No |
| Drawing or Sketch Attached? | Yes | No          |                             |                 |    |

**SERVICE CONDITIONS:**

|                                  |                    |           |    |                                    |              |
|----------------------------------|--------------------|-----------|----|------------------------------------|--------------|
| Working Pressure:                | psia               | @ Temp. = | °F | Life Expectancy:                   | yr(s)        |
| Housing Maximum Design Pressure: | psia               | @ Temp. = | °F | Media:                             |              |
| Max/Proof Pressure:              | psia               | @ Temp. = | °F | Max Temperature:                   | @ Pressure = |
| Burst Pressure:                  | psia               | @ Temp. = | °F | Min. Temperature:                  | @ Pressure = |
| Thermal Cycles:                  | 1x (from °F to °F) |           |    | External Leak rate (Max., Helium): | Std.cc/sec   |

**Burst Disc (BD):**

|                                       |                 |                            |                                            |
|---------------------------------------|-----------------|----------------------------|--------------------------------------------|
| Diaphragm Rupture Pressure:           | psi ±           | System Operating Pressure: |                                            |
| BD Internal Leak rate (Max., Helium): | Std.cc/sec      | @ Pressure =               |                                            |
| BD Flow capacity, Minimum:            | lbm/sec or scfm |                            |                                            |
| BD Pressure Cycles:                   |                 |                            |                                            |
| Reverse pressure protection:          | Yes No          | outlet pressure:           | Inlet Pressure: 0 Reverse Pressure cycles: |

**Relief Valve (RV):**

|                                                |                |              |                |
|------------------------------------------------|----------------|--------------|----------------|
| Contains Relief Valve:                         | Yes No         |              |                |
| RV Cracking Pressure:                          | psi ±          | psi          |                |
| RV Reseal Pressure                             | psi ±          | psi @        | Std.cc/sec GHe |
| RV Flow capacity, Minimum:                     | lbm/s or scfm  |              |                |
| RV Pressure Cycles:                            | 4/mission, TBD |              |                |
| RV Internal Leak rate (Max., Helium): @ reseal | Std.cc/sec GHe | @ Pressure = |                |

**Testing Requirements:**

|                  |        |            |     |
|------------------|--------|------------|-----|
| Functional only: | Yes No | Vibration: | yes |
| Shock:           | yes    | Climatic:  | yes |
| Other Tests:     |        |            |     |

**OTHER:**

|                      |                                                                                         |                                              |                          |         |          |
|----------------------|-----------------------------------------------------------------------------------------|----------------------------------------------|--------------------------|---------|----------|
| Internal Filter:     | <input type="checkbox"/> Inlet <input type="checkbox"/> Outlet <input type="checkbox"/> | Between RV & BD                              | Filter rating (microns): | Nominal | Absolute |
| Inlet ø & Type       |                                                                                         | Outlet ø & Type                              | Material:                |         | TBD      |
| Max. desired Weight: | lbm                                                                                     | Special quality / inspection specifications: |                          |         |          |
| Other:               |                                                                                         |                                              |                          |         |          |

RDI Engineering use only Bid#

Sales#

PN:

BDRV APP DATA SHEET 9-17-2020