



Single Stage Reducing Station with Remote Actuation for Helium For Rocket Launch Application

FEAUTURES

- Outlet stop valve is actuated using 80psig pneumatic actuator gives remote on/off operation.
- Non-isolatable relief valve protects downstream system and pipe work.
- Intermediate relief valve not required.
- Cartridge principle allows full maintenance of all valves with block welded in situ.
- Material selection provides good resistance to humid environment on site.
- Instrumentation drillings removes requirement for substantial pipe work.

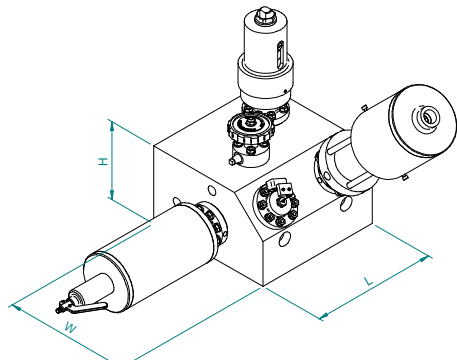
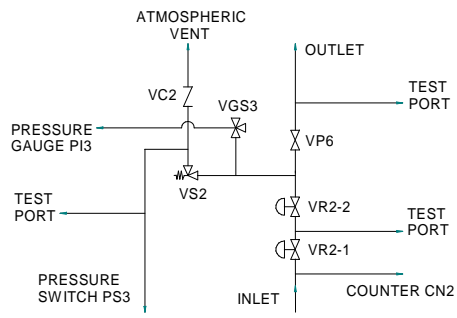


SPECIFICATIONS

- Application: Remote Switch on/off of helium shroud gas supply.
- Design Pressure: 6000 psig (400 bar) at 100 °F (38°C).
- Temperature Range: -4 to 248°F (-20 to 120°C).
- Max. Flow Rate: **"To Customer Specifications."**
- Relief valve blow-down 10% and accumulation 10%.
- Outlet pressure ranges from 1Barg to 280Barg with 10% lockup and 10% droop.
- Non-return valve cracking pressure 0.1Barg.
- Switched non-return valve provides indication of relief valve operation.

APPLICATIONS

- Air, CO2, Hydrogen, Methanol, Nitrogen, Water, Oil, Methane



| Drawing No. | Weight lbs (Est'd) | Inlet Pipe Size | Outlet Pipe Size | Block Dimensions | | |
|---------------|--------------------|-----------------|------------------|------------------|----------|-----------|
| | | | | Length, L | Width, W | Height, H |
| RRU 5003-RB/1 | 132 | 3/4" | 3/4" | 8.3" | 8.3" | 5.1" |

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|--|------------|------------|---------------------|---------------|-------------------|-------------|--|
| | SUBMARINES | | | SURFACE SHIPS | | CARGO SHIPS | |
| | SSN's | SSBN's | DIESEL ELECTRIC | CVN's | DD's and CG's | LNG | |