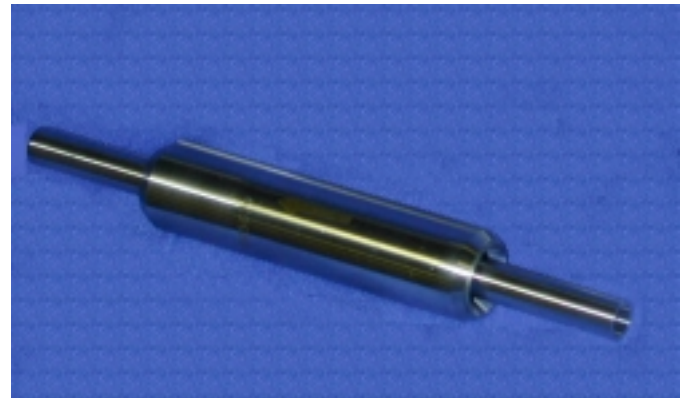


### DESCRIPTION

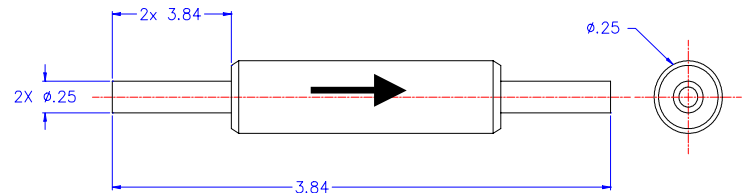
VACCO Aerospace Products produces a relief valve designed exclusively to satisfy the needs of the space industry.

A unique advantage of VACCO's relief valve is that the seat/seal configuration is flight qualified and has demonstrated successful flight heritage for over 10 years. The relief valve incorporates a teflon seat design used for low leakage over a wide range of temperatures.



### FEATURES

- ⊕ Seat/Seal Configuration Flight Qualified
- ⊕ All Welded External Construction
- ⊕ Relief Pressure: 335 psid max.
- ⊕ Reset Pressure: 280 psid min.
- ⊕ Weight: .75 lbm (340 grams)
- ⊕ Machined Body to Assure Structural Rigidity
- ⊕ Optimized for High Flow Stable Operation



### OPERATING PARAMETERS

Operating Pressure Range .....	355 psid*	External Leakage .....	$1 \times 10^{-6}$ sccs GHe***
Proof Pressure .....	650 psig	Internal Leakage .....	$1 \times 10^{-3}$ sccs GHe****
Burst Pressure .....	1,300 psig	Operating Temperature .....	-170° to +45° C
Flow .....	.100 scfm GHe**	Non-operating Temperature .....	-40° to +45° C
Pressure .....	335 psid max.	Weight .....	340 grams
Reseat Pressure .....	280 psid min.	Shock .....	2000 G's
		Life .....	200 cycles

\*Note: Based on Actual Test Data

\*\*Note: Based on Actual Test Data, 100 scfm @ 355 psid

\*\*\*Note: External Leakage measured at  $270 \pm 5$  psia for 5 minutes

\*\*\*\*Note: Internal Leakage measured from 0-280 psia

**PERFORMANCE CHARACTERISTICS**

**Pressure Drop @ 355 psi**

