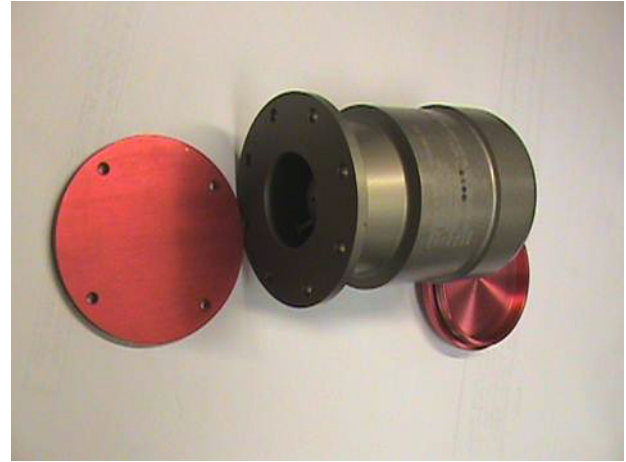


## 2/3" Cryogenic Quick Disconnect

VACCO's 2/3" Cryogenic Quick Disconnect is Space Shuttle Centaur qualified. Its robust design has a 25-year service record.

With a non-latching, push-pull connection and disconnection, this quick disconnect has a two-inch flight half fluid connection and a three-inch ground half fluid connection. It is designed for liquid oxygen and hydrogen venting applications.



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### Features

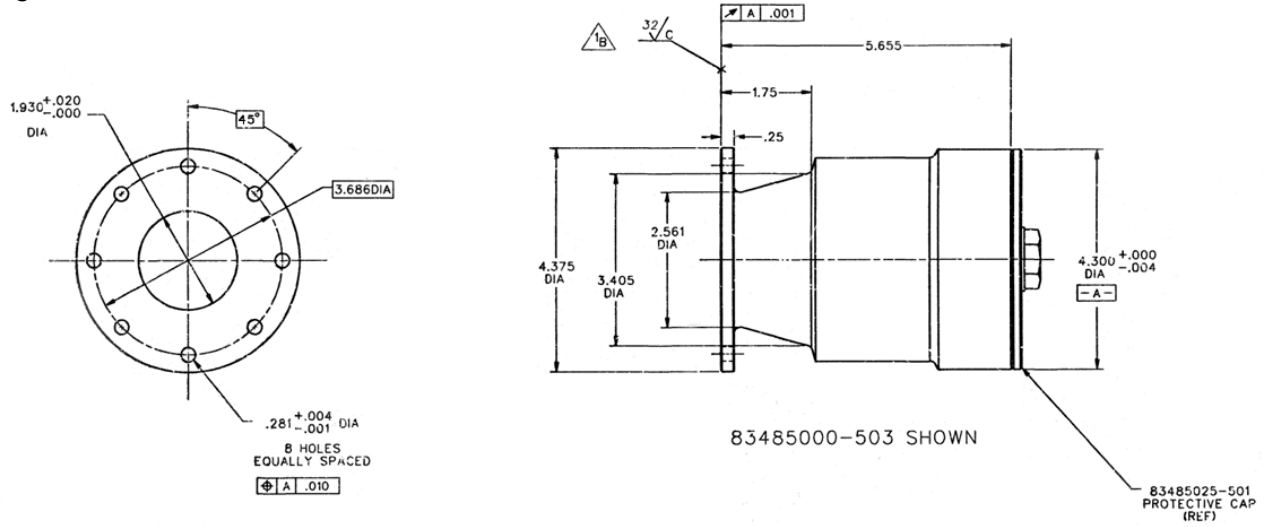
- Self-sealing poppet valves on both flight half and ground half
- Poppet valves on both halves held in normally-closed position by compression spring
- Robust bellows design on ground half to accommodate 1/16" offset and 0.5° misalignment, while maintaining a sealed interface
- Construction materials (aluminum, 304L CRES stainless steel, Inconel) are LOX compatible
- Sealing interface on both ground half and flight half is removable for refurbishment or replacement

### Operating Parameters

Pressures (mated)		Pressure Drop.....0.35 psid @ 15.7 psia inlet (GH <sub>2</sub> )	
Operating.....	50 psig	Mating Force.....	250 lbf @ 0 psig
Proof.....	75 psig	Separation Force.....	400 lbf @ 50 psig
Burst.....	100 psig	Weight	
Operating Temperatures.....	-297°F to +350°	Flight Half.....	3.5 lbs
Leakage at Operating Pressures (mated)		Ground Half Weight.....	5.7 lbs
GHe.....	20 SCIM		
GH <sub>2</sub> .....	100 SCIM		

Performance characteristics are based on customer requirements. As such, they are not representative of component capabilities or limitations.

Flight Half



Ground Half

