

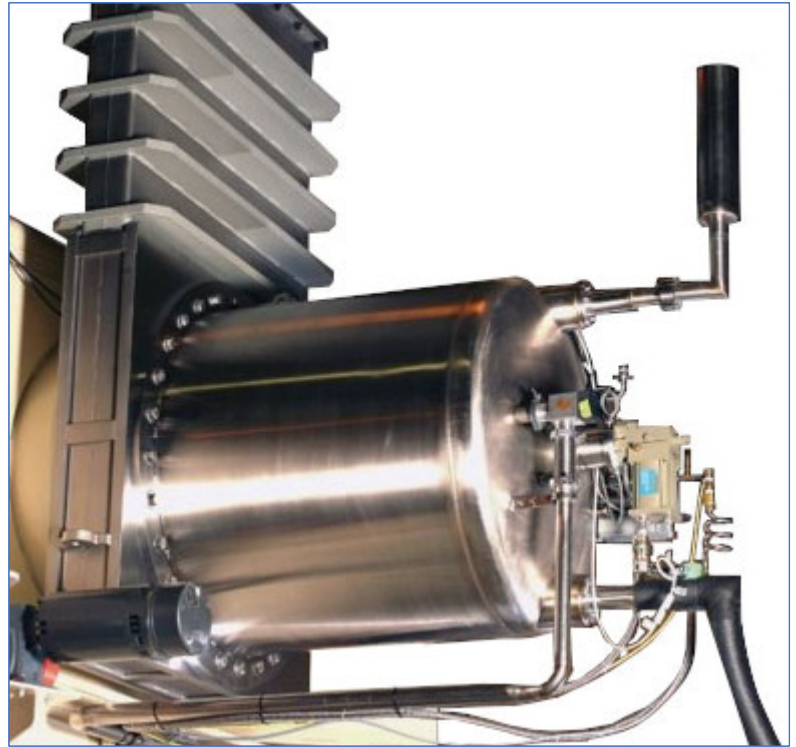
High performance cryopumps

Dynavac cryopumps are designed for high performance pumping on large vacuum systems. They are offered in 35" and 52" standard sizes, and custom configurations are available.

With nearly forty years' experience in the aerospace industry, Dynavac proudly supports customers engaged in some of the most exciting and demanding space programs.

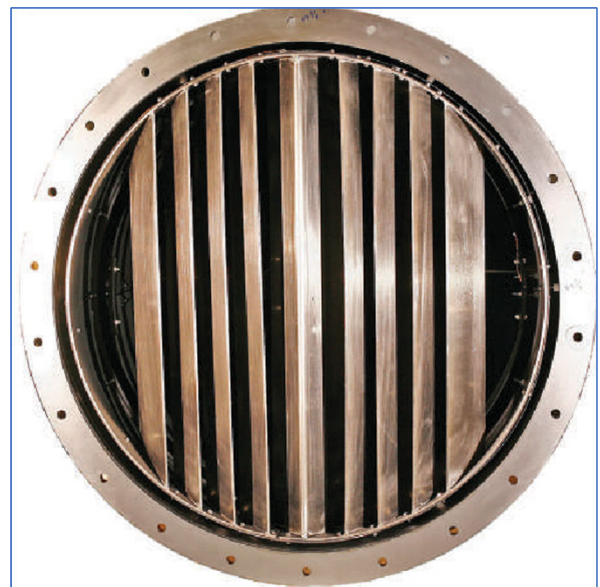
Dynavac designs, manufactures, and installs a full array of systems to support the development and test of spacecraft. Few companies rival Dynavac's thermal vacuum capabilities to simulate the harsh conditions of space.

Visit www.Dynavac.com/space-simulation or contact our sales group to learn more.

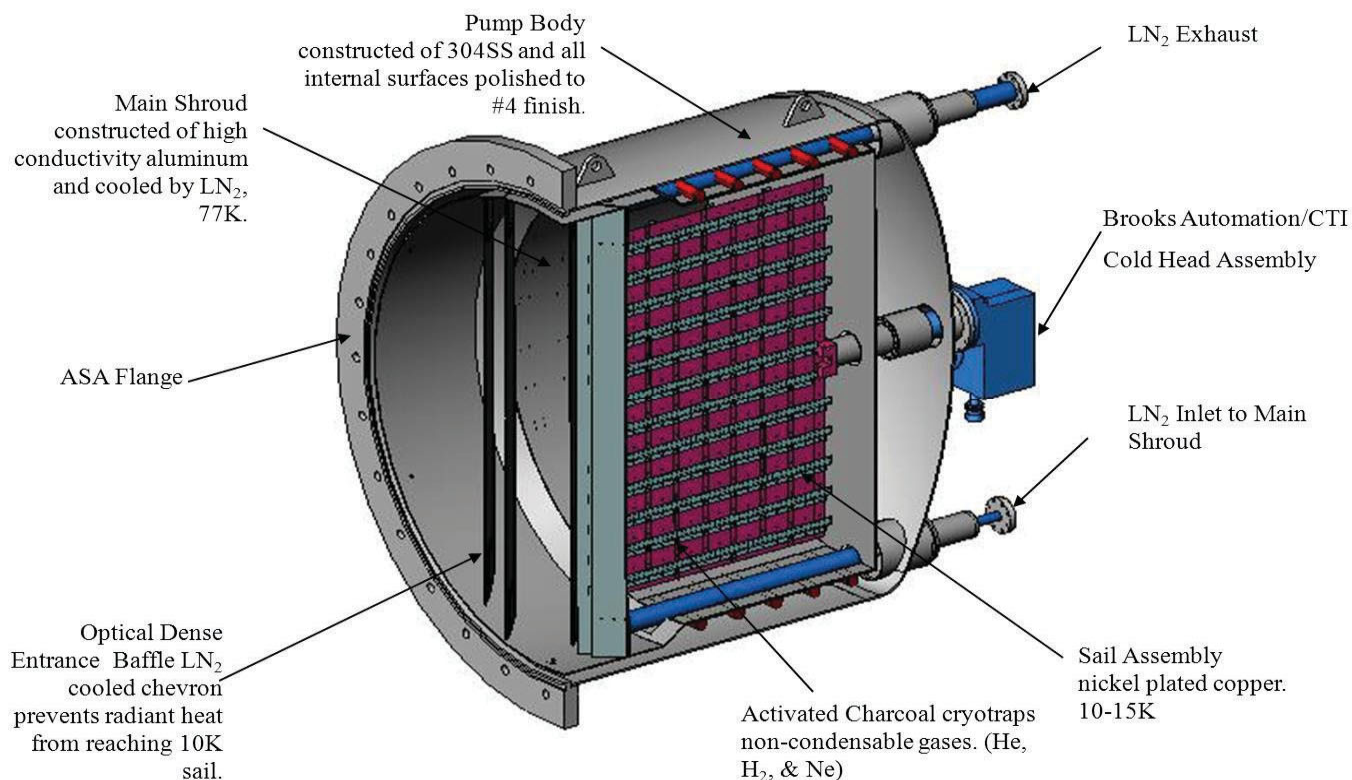


Cryopump features

- Horizontal or vertical orientation
- Mates with standard ASA/ ANSI flange
- Optically dense front baffle minimizes hear input
- Brooks Automation/ CTI-Cryogenics Model 1020 cold head and Model 9600 compressor
- Two-stage thermocouple sensors mounted on first stage; two silicon diode temperature sensors mounted on second stage
- Equipped with 10 foot helium flex lines; longer lines available as option



High-performance cryopumps



Specifications		
	35 inch	52 inch
Cool down from initial startup	<3 hrs	<5 hrs
LN ₂ Consumption	12 l/hr	16 l/hr
Weight	575 lbs	850 lbs
Crossover rating	2000 torr-liter	3000 torr-liter
Compressor Electrical	3 phase, 50 Hz or 60 Hz Low Voltage: 180-253 VAC High Voltage: 360-506 VAC Power: 5.5 kW	
Compressor Cooling Water	2.75 gallons/minute	

Pumping Speeds (l sec ⁻¹)		
Gas	35 inch	52 inch
Nitrogen	30,000	57,000
Argon	25,000	47,000
Water	90,000	180,000
Hydrogen	20,000	30,000
Helium	5,000	10,000