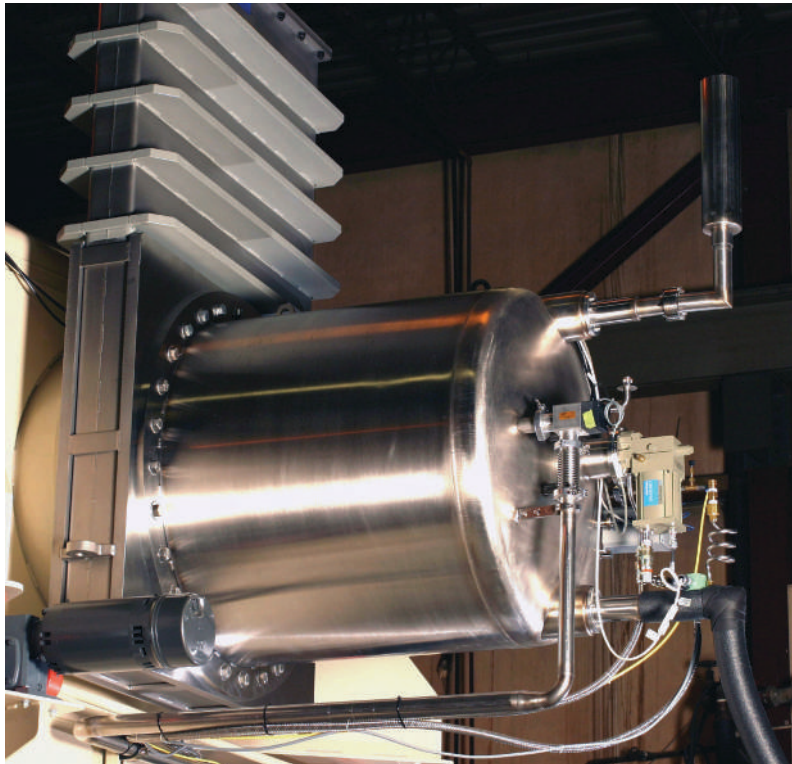




High Performance Cryopumps

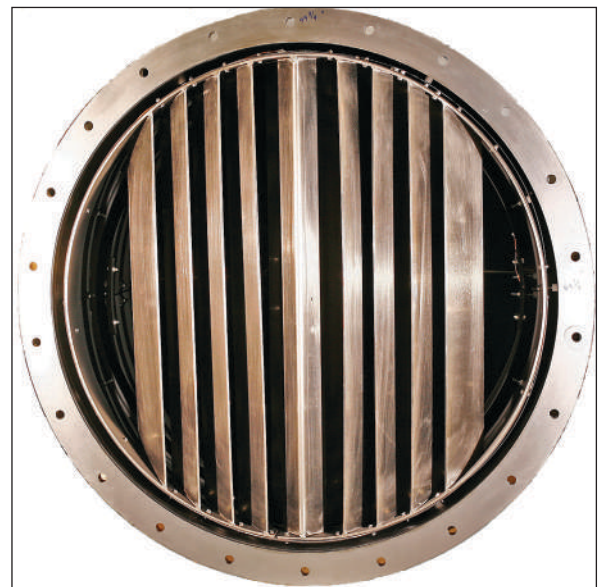


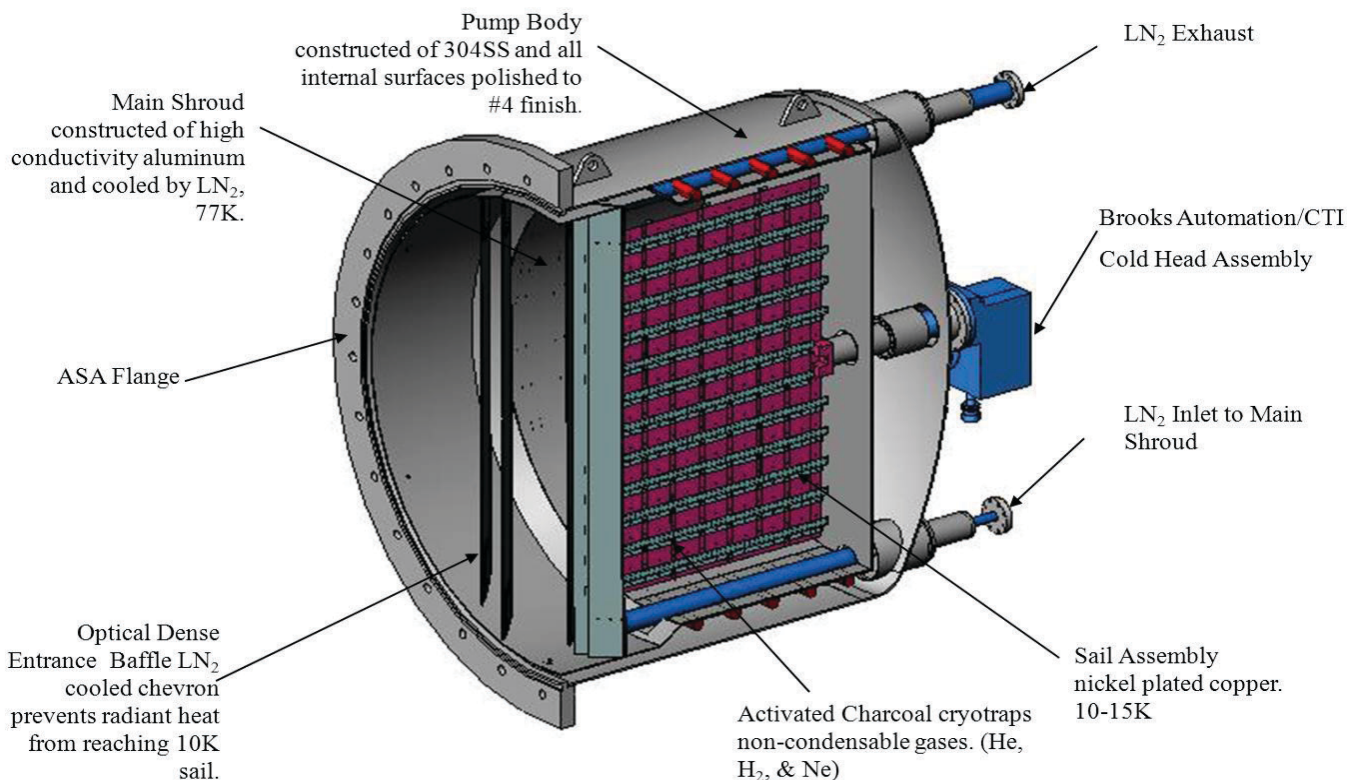
Dynavac cryopumps are designed for high performance pumping on large vacuum systems. They are offered in 35" and 52" standard sizes, custom configurations are available.

Dynavac delivers complete systems for thin film deposition, space simulation and custom-engineered applications. Product solutions are offered for a wide range of system applications.

Cryopump Features

- Horizontal or vertical orientation
- Mates with standard ASA/ANSI flange
- Optically dense front baffle minimizes heat input
- Brooks Automation/CTI-Cryogenics Model 1020 Cold Head and Model 9600 Compressor
- Two thermocouple sensors on 1st stage; two silicon diode temperature sensors mounted on 2nd stage
- Equipped with 10' helium flex lines standard, longer lines optional





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