

Specifications

Type	Pumping Speed	Capacity at 1×10 ⁻⁶ Torr
N ₂	57,000 Liters/sec.	
H ₂	30,000 Liters/sec.	30 std Liters
H ₂ O	180,000 Liters/sec.	

Weight 1,200 lbs. (545.5 kg)	Cooldown Time 240 min to 20K	Crossover 2,000 Torr Liters at 20K Second Stage Temperature with H ₂ Pumping Capacity
---	--	--



LN₂ Consumption	4 GPH steady state
Operating Orientation	Any (specify when ordering)
Refrigeration Capacity with CBST6.0 Compressor and CGR511 Refrigerator	First Stage – LN ₂ Refrigerated Second Stage – 15 Watts at 20K
Purge Tube	Integral
Instrumentation	2 silicon diode on 20K charcoal box, 1 thermocouple (Cu-Cn) on LN ₂ baffle
Installation	4 equally spaced lifting lugs at the Center of Gravity

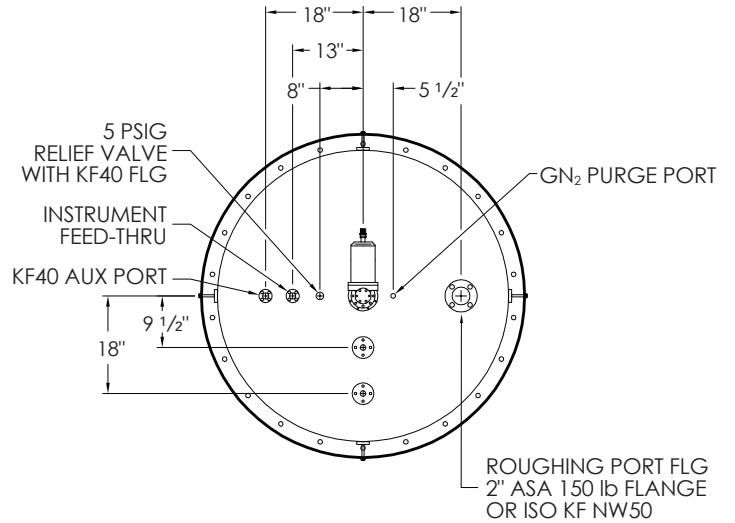
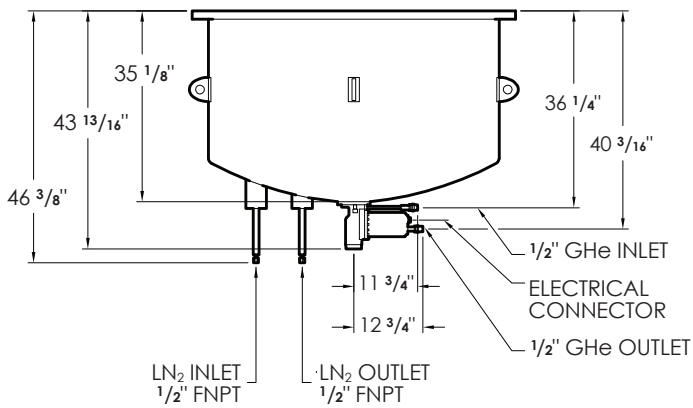
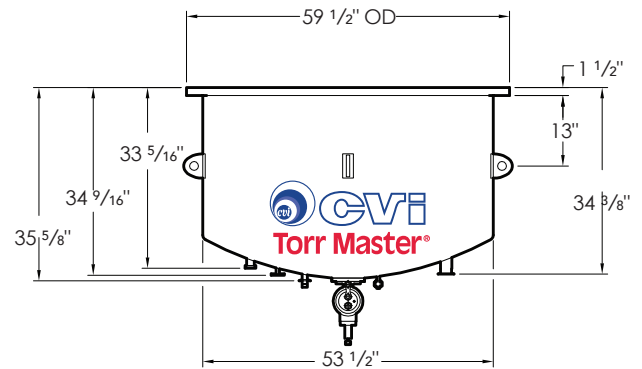
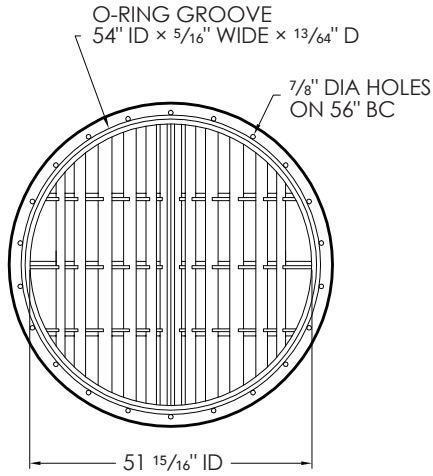
(Performance data based on 60-HZ operation)

Interfaces

System Flange	OD	ID	BC	Bolt Holes	O-Ring
ANSI	59.5"	53.125"	56"	22 ea 0.875" DIA	54" ID × 0.250" thick Viton (supplied)

Roughing Flange	OD	ID	BC	Bolt Holes	O-Ring
ANSI	6.0"	2.07"	4.75"	4 ea 0.75" DIA	2.85" ID × 0.210" thick Viton (supplied)

Accessory Flange	KF40
Purge Tube	0.5" VCO Viton O-ring Includes blank and 0.50" bored tailpieces
Pressure Relief	5 psig poppet valve with ISO KF40 flange
Helium Connections	0.5" Aeroquip fittings
Electrical	2 diodes, 1 thermocouple (Cu-Cn), 6-pin twist lock connector Refrigerator drive motor, 5-pin twist lock connector
Liquid Nitrogen Connections	2 ea 0.5" vacuum jacketed bayonets or 2 ea 0.5" NPT female fittings (specify when ordering)



48" TM1200