

Specifications

Type	Pumping Speed	Capacity at 1×10^{-6} Torr
N ₂	45,000 Liters/sec.	
H ₂	25,000 Liters/sec.	30 std Liters
H ₂ O	160,000 Liters/sec.	

Weight 1,000 lbs. (453.6 kg)
Cooldown Time 240 min to 20K
Crossover 2,000 Torr Liters at 20K
 Second Stage Temperature with H₂ 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 – LN₂ Refrigerated
 Second Stage – 15 Watts at 20K

Instrumentation 2 silicon diodes on 20K charcoal box,
 1 thermocouple (Cu-Cn) on LN₂ baffle

Installation 4 equally spaced lifting lugs at the Center of Gravity

(Performance data based on 60-HZ operation)

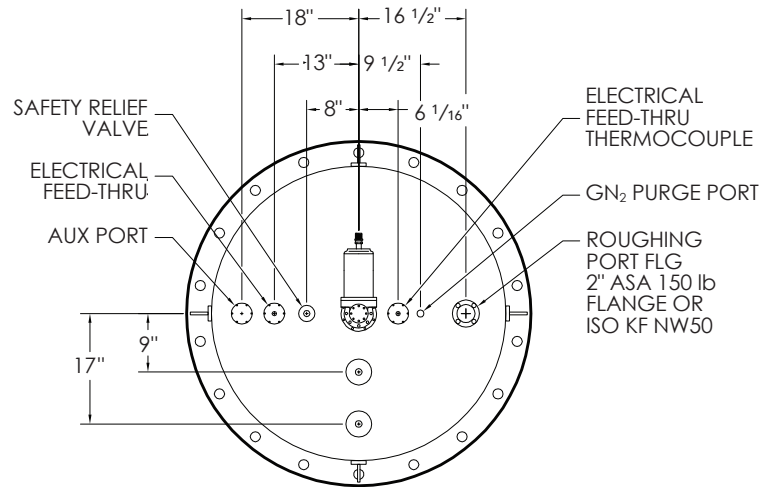
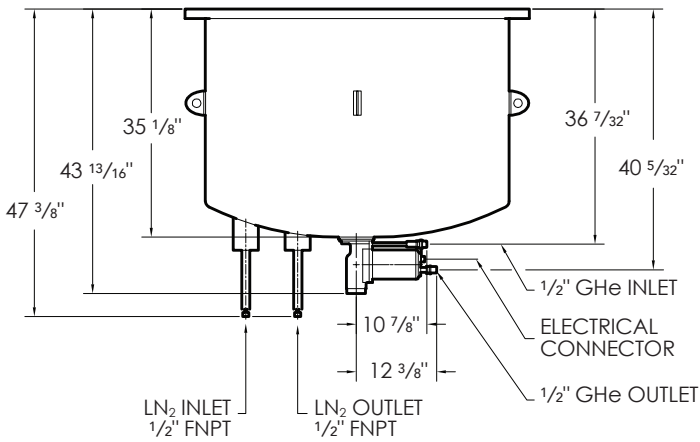
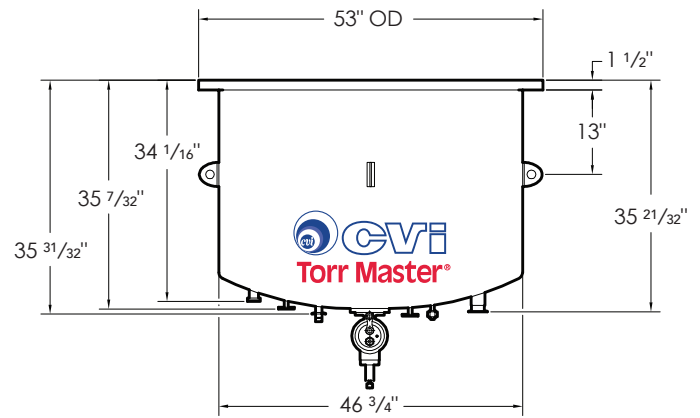
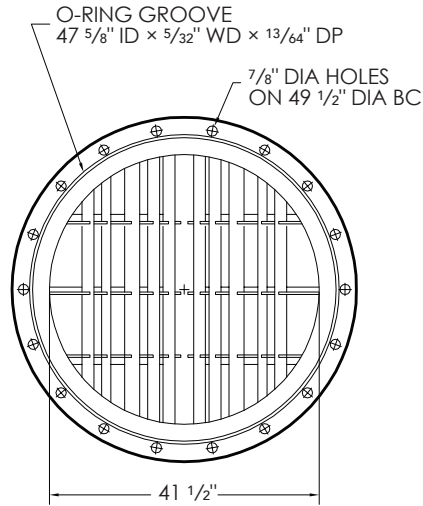


Interfaces

System Flange	OD	ID	BC	Bolt Holes	O-Ring
ANSI	53"	46.75"	49.5"	18 ea 0.875" DIA	47.2" 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)



42" TM1000