

Specifications

Type	Pumping Speed	Capacity at 1 × 10 ⁻⁶ Torr
N ₂	10,500 Liters/sec.	
H ₂	13,000 Liters/sec.	12 std Liters
H ₂ O	30,000 Liters/sec.	
Ar	8,500 Liters/sec.	3,000 std Liters

Weight 210 lbs. (95 kg)	Crossover 560 Torr Liters of N ₂ *	Cooldown Time 120 min to 20K with CBST6.0 Compressor
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Ar Throughput Capacity at 20K	10 Torr Liters/sec. 790 scc/min.
LN₂ Consumption	2 GPH steady state
Operating Orientation	Any (specify when ordering)
Purge Tube	Integral
Instrumentation	Silicon diode standard Hydrogen vapor bulb thermometer optional

* Crossover above 560 Torr Liters is possible.
This results in a reduction of hydrogen capacity

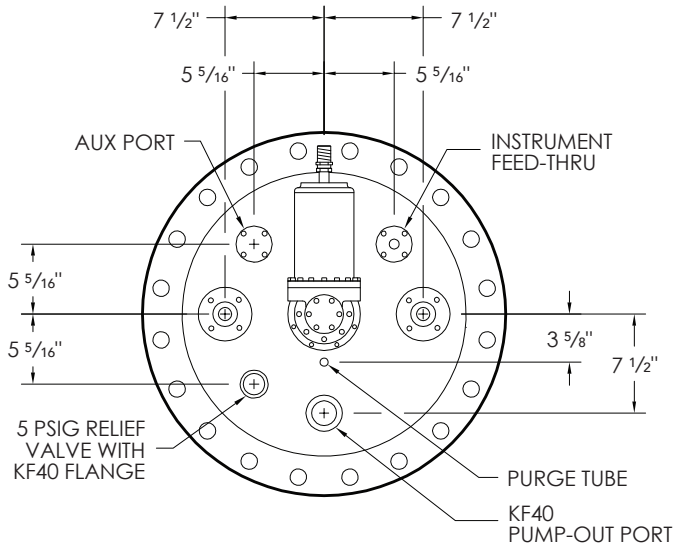
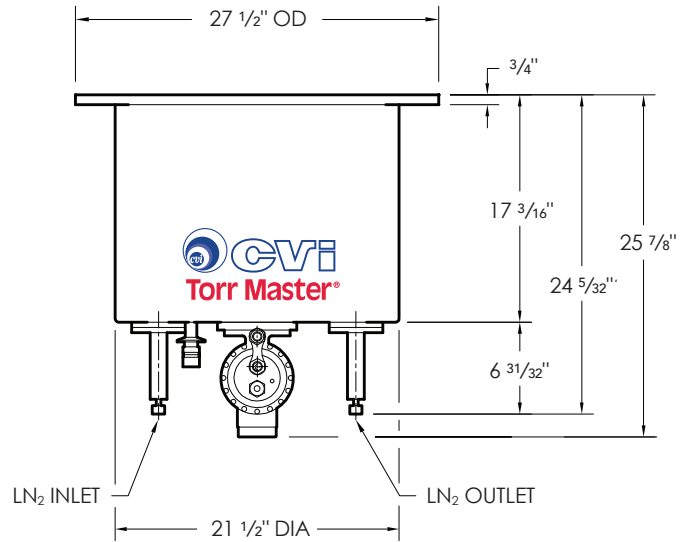
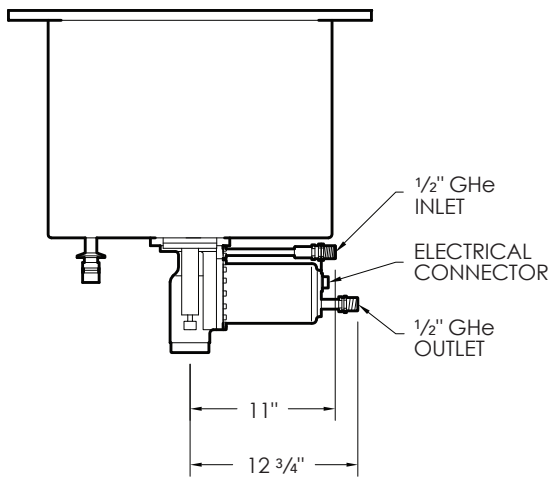
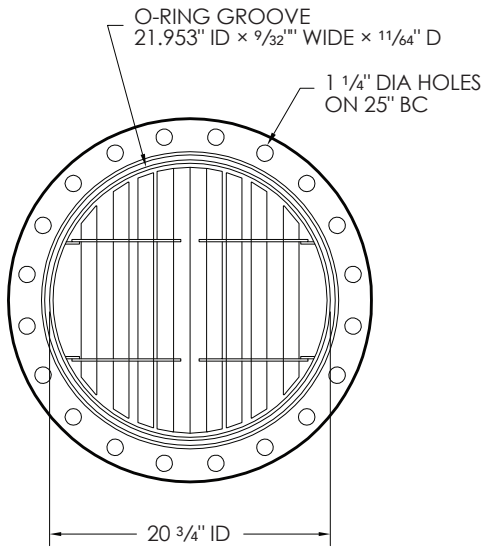
(Performance data based on 60-HZ operation)



Interfaces

System Flange	OD	ID	BC	Bolt Holes	O-Ring
ANSI	27.5"	20.813"	25	20 ea 1.25" DIA	21.95" ID × 0.210" thick Viton (supplied)

Roughing Flange	KF40
Accessory Flange	2 3/4" flange, 3/8" thick
Purge Tube	1/2" Ultra-Seal fitting. Viton O-ring Includes blank and 0.33" bored tailpieces
Pressure Relief	5 psig poppet valve with KF40 flange
Helium Connections	1/2" Aeroquip fittings
Electrical	Diode, 6-pin twist lock connector Refrigerator drive motor, 5-pin twist lock connector
LN₂ Connections	2 ea 1/2" vacuum jacketed bayonets or 2 ea 1/2" NPT female fittings (specify when ordering)



20" **TM500 LN₂** (ANSI)