



CP-16 Cryopump

## Cryo-Plex Cryopumps

***Trillium's range of Cryo-Plex (CP) cryo pumps achieve a wide range of vacuum conditions in key applications - from small scale research to large space chamber applications.*** Cryo-Plex pumps feature a modular and scalable design, custom tailored to meet the unique challenges of any high, or ultra-high vacuum environment. Cryo-Plex pumps are an excellent choice for installation on new vacuum chambers, but are also fully compatible with similar sized CTI pumps and compressors, making them an ideal option as spares or replacements. Cryo-Plex pumps are available in ISO, CF, ANSI, and CVC standard sized flanges and can be packaged with a range of M-series compressors and accessories based upon your requirement.

### **COMPETITIVE**

Attractive Pricing  
Immediate Availability

### **HIGH QUALITY**

Full Engineering Department  
ISO-9001 Certified

### **COMPATIBLE**

Fully Interchangeable with  
CTI/Helix Product

### **WELL SUPPORTED**

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CP-8LP Cryo-Plex



# Cryo-Plex Cryopumps



CP-8 Cryo-Plex

Specifications	CP-8LP	CP-8
<b>GAS PUMPING SPEEDS (LITERS/SECOND)</b>		
Air	1,500	1,500
Water	4,000	4,000
Hydrogen	2,200	2,500
Argon	1,200	1,200
<b>GAS CAPACITIES - STANDARD LITERS</b>		
Argon	1,000 torr-liters	1,000 torr-liters
Hydrogen @ 5X10 <sup>-6</sup>	12 torr-liters	18 torr-liters
<b>THROUGHPUT</b>		
Argon	700 scc/minute	700 scc/minute
Crossover	150 torr-liters	150 torr-liters
<b>PHYSICAL SPECIFICATIONS</b>		
Weight	42 lb. (19.1 kg)	45 lb. (20.4 kg)
Overall Height	7.03 inches (17.9 cm)	20.6 inches (52.4 cm)/ANSI 20.9 inches (53.1 cm)/CF 20.8 inches (52.7 cm)/ISO
Overall Depth	22.6 inches (57.4 cm)/ANSI 22.1 inches (56.1 cm)/CF 21.8 inches (55.4 cm)/ISO	14.4 inches (36.7 cm)/ANSI 13.8 inches (35.1 cm)/CF 13.7 inches (34.7 cm)/ISO
Width	7.1 inches (18.0 cm)	N/A
Maximum Flange Diameter / Standard	11.0 inches (27.0 cm)	11 inches (27.9 cm)/ANSI 10 inches (25.4 cm)/CF 9.5 inches (24.0 cm)/ISO
Inlet Flange Size / Standard	6 inch/ANSI 10 inch/CF NW 200/ISO	6 inch/ANSI 10 inch/CF NW 200/ISO
<b>COOLDOWN TIME (ROOM TEMPERATURE TO 20 K)</b>		
60Hz	90 minutes	90 minutes



**CP-10 Cryo-Plex**

<b>Specifications</b>	<b>CP-10</b>	<b>CP-16</b>
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**GAS PUMPING SPEEDS (LITERS/SECOND)**

Air	3,000	5,000
Water	9,000	16,000
Hydrogen	5,000	5,000
Argon	2,500	4,200

**GAS CAPACITIES – STANDARD LITERS**

Argon	2,000 torr-liters	2,500 torr-liters
Hydrogen @ 5X10-6	24 torr-liters	15 torr-liters

**THROUGHPUT**

Argon	1,500 scc/minute	500 scc/minute
Crossover	300 torr-liters	300 torr-liters

**PHYSICAL SPECIFICATIONS**

Weight	85 lb. (38.6 kg)	160 lb. (72.7 kg)
Overall Height	23.2 inches (59.0 cm)/ANSI 23.4 inches (59.4 cm)/CF 23.8 inches (60.3 cm)/ISO	23.6 inches (60.1 cm)/ISO 23.7 inches (60.3 cm)/CVC
Overall Depth	18.7 inches (47.4 cm)/ANSI 17.7 inches (44.9 cm)/CF 18.0 inches (45.8 cm)/ISO	19.7 inches (50.0 cm)/ISO 19.87 inches (50.2 cm)/CVC
Width	N/A	N/A
Maximum Flange Diameter / Standard	16 inches (40.6 cm)/ANSI 14 inches (35.6 cm)/CF 14.6 inches (37.0 cm)/ISO	17.7 inches (45.0 cm)/ISO 18 inches (45.7 cm)/CVC
Inlet Flange Size / Standard	10 inch/ANSI 14 inch/CF NW 300/ISO	NW 400/ISO 16 inch/CVC

**COOLDOWN TIME (ROOM TEMPERATURE TO 20 K)**

60 Hz	90 minutes	150 minutes
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**ACCESSORIES**



**M Series Helium Compressors**



**Temperature Controllers**



**Helium Lines**



**Rough Pumps**



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**Cryogenic Accessories**



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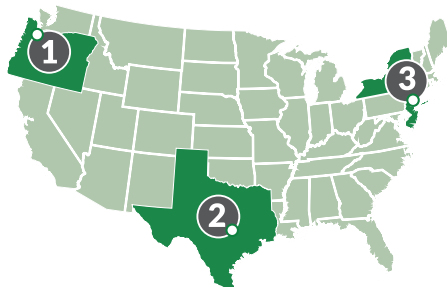
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