

Cryo-Plex Cryogenic Pumping Solutions

Clean, oil free high vacuum pumping solutions. Austin Scientific offers a complete range of cryopumps from 8" to 16" in the standard inlet array configurations (ANSI, ISO, Conflat ® and full UHV).

Cryo-Plex 8

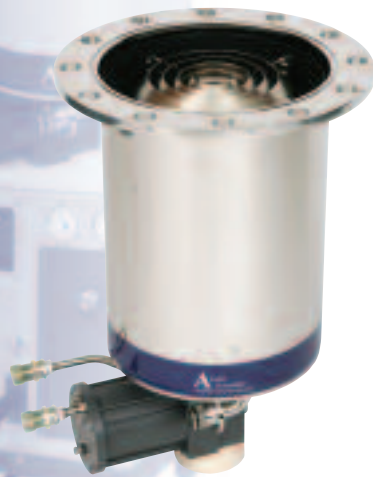
One of the most popular cryopumps,

Applications: sputtering tools, ion implanters, R&D bell-jar systems, surface analysis, accelerators, beam lines and general vacuum systems



Cryo-Plex 8LP (low profile)

Industry standard configuration for semiconductor tools.



Cryo-Plex 10

Generally considered the most efficient cryopump design the 10" ANSI / 14" OD Conflat achieving double the gas and water volume of the CP-8

Applications: Semiconductor, Aerospace & vacuum coating as well as R&D

Cryo-Plex 16

Standard pump in use on larger box-coating systems, space simulation chambers, electron beam coating systems.



Industry Standard Designs

Austin Scientific Cryo-Plex cryopumps and compressors are fully compatible and interchangeable with the Helix Cryotorr ® line of cryopumps and compressors making upgrades and repair exchanges seamless.

Cryo-Plex Model	CP-8	CP-8LP	CP-10	CP-16
Gas pumping speeds - liters/second				
Water	4,000	4,000	9,000	16,000
Air	1,500	1,500	3,000	5,000
Hydrogen	2,500	2,200	5,000	5,000
Argon	1,200	1,200	2,500	4,200
Gas capacities - Standard liters				
Hydrogen @ 5x10 ⁻⁶ Torr	18	12	24	15
Argon	1,000	1,000	2,000	2,500
Throughput				
Argon Scm	700	700	1500	500
Crossover				
Torr-liters	150	150	300	300
Cool down time				
60 Hertz	90 Min	90 Min	60 Min	150 Min
Cryopump measurements				
Height	20.7"	7.03"	23.9"	24.0"
Length		22.6"		
LBS	45	42	85	160
Inlet flange	ANSI/ISO/CF			ISO/CVC

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