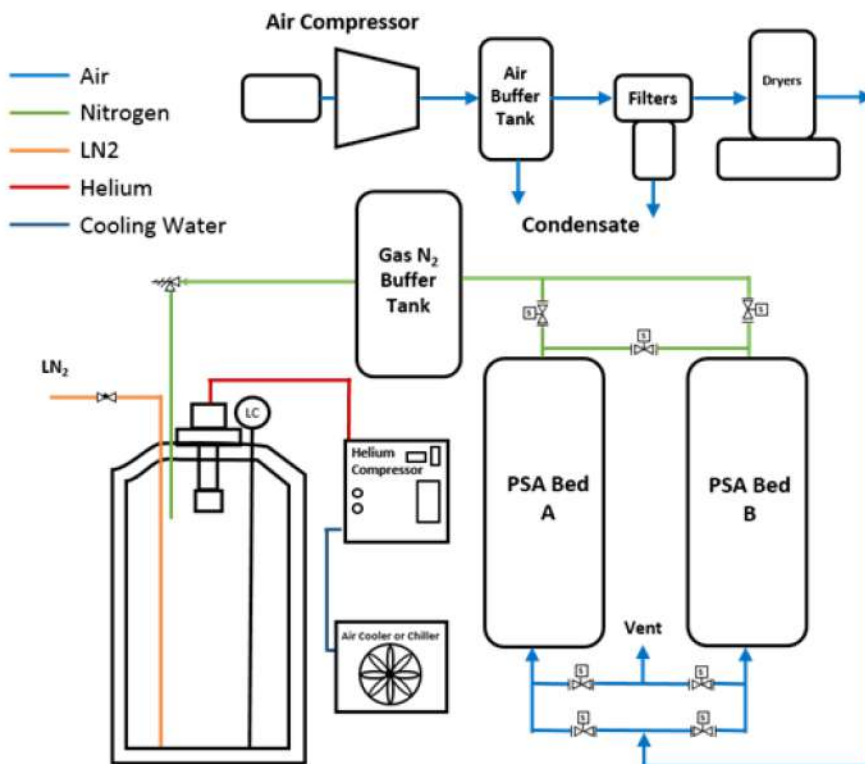


CNP SERIES

LIQUID NITROGEN GENERATION REIMAGINED FOR CRYOGENIC EXCELLENCE

Introducing IMTEK Cryogenics' CNP Series: Our range begins with lab-scale models, capable of producing 10 liters to 120 liters/day of liquid nitrogen, ideal for smaller-scale applications. Moving to our industrial models, starting with the CNP-ECO, which produces 240 liters/day up to 960 liters/day, with options for higher capacities available upon request. All models deliver nitrogen at 99.9% purity, ensuring reliability and performance across various industries. Designed with efficiency and sustainability in mind, the CNP series integrates seamlessly into your operations, offering tailored solutions that meet your nitrogen generation needs.



Compressed air is directed to a buffer tank after being processed by an oil-free compressor. The air then passes through filters and an air dryer, removing moisture and particles, achieving a dew point of -40°C. Using PSA technology, oxygen and carbon dioxide are selectively adsorbed in alternating beds, ensuring a continuous flow of high-purity nitrogen. The nitrogen is stored in a buffer tank and then transferred to a cryogenic storage tank, ready for use in liquefaction processes. This efficient system ensures reliable nitrogen production with precise purity control.

CNP Models	Production Rate	Compressed Air Req	Power Consumption	Electrical	Measurements	Operation Conditions
CNP 10	10 Lt/Day @99%	Built-In, Oil Free Compressor	2.9 kW @50Hz, 3.0 kW @60Hz	200 V, 220-240 V @50Hz 208-230 V @60Hz ~V1	765 (W) x 1100 (L) x 1090 (H) mm	+4°C to +40°C 1.5-2 bars < 65 dB @ 1 meter
CNP 15	15 Lt/Day @99%				765 (W) x 1215 (L) x 1100 (H) mm	
CNP 20	20 Lt/Day @99%		3.1 kW @50Hz, 3.3 kW @60Hz			
CNP 30	30 Lt/Day @99%		4.2 kW @50Hz, 5.2 kW @60Hz		765 (W) x 1340 (L) x 1380 mm (H)	
CNP 40	40 Lt/Day @99%		7.2 kW @50Hz, 8.1 kW @60Hz		825 (W) x 1350 (L) x 1380 (H) mm	
CNP 60	60 Lt/Day @99%				870 (W) x 1667 (L) x 1380 (H) mm	
CNP 65	65 Lt/Day @99%	~8 m3/hr @7 bars	13.5 kW @50Hz, 15.5 kW @60Hz	380-415 V @50Hz 480 V @60Hz ~V3	870 (W) x 1667 (L) x 1380 (H) mm	
CNP 120	120 Lt/Day @99%	~16 m3/hr @7 bars			1240 (W) x 1780 (L) x 1380 (H) mm	
CNP ECO1	240 Lt/Day @99%	~35 m3/hr @7 bars	27 kW @50Hz, 30.5 kW @60Hz		1240 (W) x 3300 (L) x 1380 (H) mm	
CNP ECO2	480 Lt/Day @99%	~40 m3/hr @7 bars			1240 (W) x 4000 (L) x 1380 (H) mm	
CNP ECO3	720 Lt/Day @99%	~48 m3/hr @7 bars			1240 (W) x 5500 (L) x 1380 (H) mm	
CNP ECO4	960 Lt/Day @99%	~56 m3/hr @7 bars			54 kW @50Hz, 61.5 kW @60Hz	

