



NITROGEN PURIFIER SYSTEMS

0,41-2,33
Nm³/min

Most PSA Nitrogen Generator users require the highest levels of Nitrogen purity by the most cost-effective means possible.

Hertz HCX Nitrogen Purifier System offers an extremely economic way to increase nitrogen purity levels beyond

99.9% all the way up to 99.9999% purity.

HCX is the true add-on technology for Nitrogen Generation applications requiring 1-5 ppm ultra high purity.

HCX can easily be integrated with already existing Nitrogen Generator System (free from brand) resulting in high purity nitrogen gas at minimum costs.



Advantages

- Easily integration with any brand of Nitrogen Generator
- Power Savings up to 50%
- Reduced compressed air consumption
- More effective pay-back time compared to the HCX-free system
- Class 6.0 quality highest purity nitrogen
- Auto purity control system
- Easy maintenance - compact design
- Minimized installation area
- Cost-effective through low operating costs

HOW IT WORKS?

The nitrogen gas obtained from a nitrogen generator is enriched with a minimum amount of hydrogen before it passes into the catalyst. The hydrogen reacts with the residual oxygen of the nitrogen, the chemical reaction being water vapor and heat, which are removed by filtration & drying.

Thanks to our innovative HCX system you can produce ultra-pure nitrogen with smaller air compressors.



Properties

- Fast start-up time
- Inlet and outlet N₂ purity control
- Inlet and outlet N₂ pressure sensors
- N₂ inlet flow (m³/h) and N₂ total volume (m³) monitoring
- N₂ outlet dew point (°C)
- H₂ Inlet flow (l/h) and H₂ total volume (liters)
- HCX reactor temperature sensor (°C)
- HCX reactor with auto-heater & insulation
- Working hours counter
- Remote control and monitoring
- Industry 4.0

Model	Nitrogen Purity (%)	Capacity (Nm ³ /min)	Power Consumption (kW/h)	Voltage	Noise Level dB(A)
HCX 20	99,9999	0,41	20	230/1/50	55-85
HCX 40	99,9999	0,66	28	230/1/50	55-85
HCX 60	99,9999	0,83	35	230/1/50	55-85
HCX 80	99,9999	1,33	51	230/1/50	55-85
HCX 100	99,9999	1,58	60	230/1/50	55-85
HCX 150	99,9999	2,33	90	230/1/50	55-85