TAIYO NIPPON SANSO
The Gas Professionals

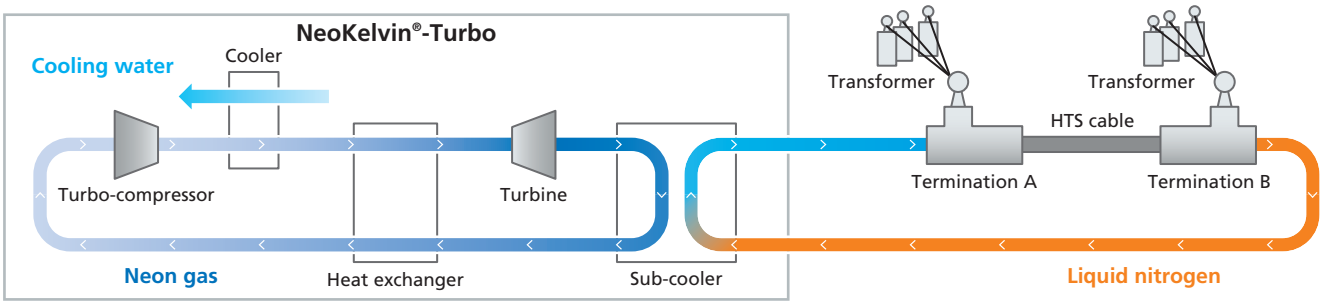
NeoKelvin®-Turbo

Turbo Brayton Refrigerator Utilizing Neon Gas

Advantages

Less maintenance / **Higher efficiency** / **Excellent usability**

System Flow



NeoKelvin®-Turbo 10kW

For commercial scale of HTS application

Cooling Capacity	10 kW
Cooling Temperature	70 K
Power Supply	φ3, AC 400 or 380V
Input Power	170 kW
Cooling Water	750 L/min
Size	W:7.0 H:3.0 D:4.0 (m)

NeoKelvin®-Turbo 2kW

For demonstration scale of HTS application

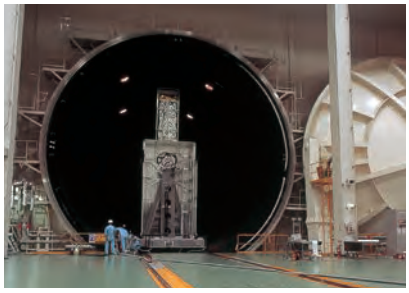
Cooling Capacity	2 kW
Cooling Temperature	70 K
Power Supply	φ3, AC 400 or 380V
Input Power	55 kW
Cooling Water	250 L/min
Size	W:3.8 H:2.7 D:2.4 (m)

NeoKelvin® -Turbo User List

2013	**LS Cable & System Korea Electric Power Corporation**	HTS Power Cable	2 kW	1 set
2014	**Ishikari Project**	HTS Power Cable	2 kW	3 sets
2015	**LS Cable & System Korea Electric Power Corporation**	HTS Power Cable	10 kW	1 set
2015	**Research institute in Japan**	HTS Power Cable	2 kW	1 set
2016	**Electric cable company in Japan**	HTS Power Cable	2 kW	1 set
2017	**Korea Electric Power Corporation**	HTS Power Cable	10 kW (7.5 kW spec.)	1 set
2018	**SuperOx (Russia)**	HTS Fault Current Limiter	2 kW	3 sets

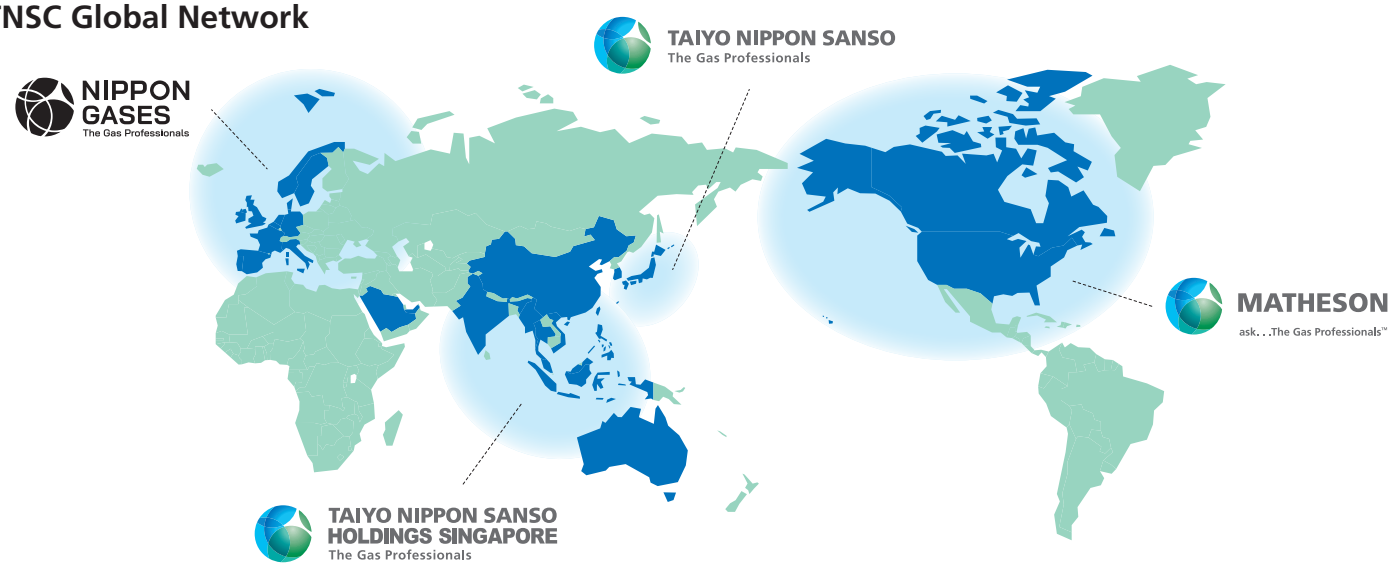
Taiyo Nippon Sanso Corporation (TNSC)

Ever since its foundation in 1910, TNSC has steadily acquired unique know-how and in-depth experience through the manufacture and supply of industrial gases. Fully using its infallible technological power as a base, TNSC has undertaken the manufacture of plants in the space and cryogenic equipment segment, as well as space environmental test systems and liquid helium-related systems. Today, TNSC enjoys an excellent reputation for its technology, which is reputed to be at the top level in the world.



Space simulation chamber ©JAXA

TNSC Global Network



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