

PRODUCT INFORMATION OF HELIUM PIPELINES

• HELIUM PIPELINES

It can be used as a transport carrier of high purity helium gas, a helium transport line connecting helium compressor and cryopump or cryocooler, and can also be used as a separate gas transmission line, such as applied to PVD machine and ion implantation machine as a helium transport and distribution line of cryopump group system. The pipeline is mainly made of clean stainless steel hard pipes and flexible hoses, with low helium leakage rate, high cleanliness, easy to disassemble quick connection joints with self-sealing function, to ensure helium purity and sealing pressure.

• CONVENTIONAL STANDARD HELIUM PIPELINES PRODUCTS •

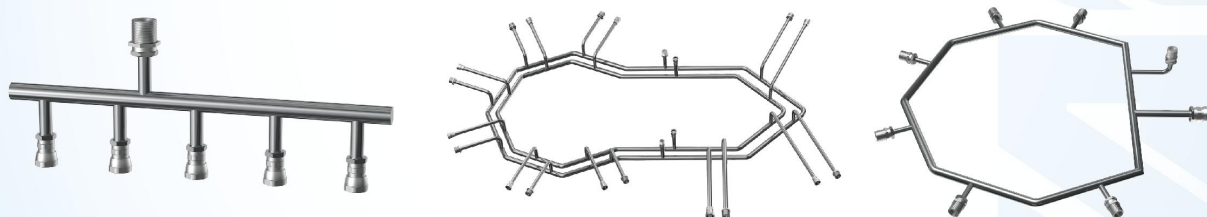


HELIUM PIPELINES

HELIUM PIPELINES WITH BENT HEAD

TYPES AND RELATED PARAMETERS OF STANDARD HELIUM PIPELINES												
Pipe Diameter	1/2"					3/4"				1"		
Length	1.5m	3m	6m	10m	15m	6m	10m	15m	20m	10m	15m	20m
Connector Type	1/2"Self-sealing Joint									3/4"Self-sealing Joint		
Maximum Working Pressure	≤5.1MPa					≤5.0MPa				≤4.8MPa		
Minimum Dynamic Bending Radius	240mm					340mm				350mm		
Helium Purity	≥99.999%											
Leak Rate	≤1x10 ⁻⁶ Pa.m³/s											
Material	Stainless Steel Bellows 304/316L											

• CUSTOM HELIUM PIPELINES PRODUCT •



PVD/ION IMPLANTATION MACHINE RING HARD HELIUM PIPELINES	
Maximum Working Pressure	$\leq 5\text{MPa}$
Helium Purity	$\geq 99.999\%$
Leak Rate	$\leq 1 \times 10^{-6} \text{Pa} \cdot \text{m}^3/\text{s}$
Material	304/316L BA/EP Grade Treatment, Can Be Overall Electrolytic Polishing