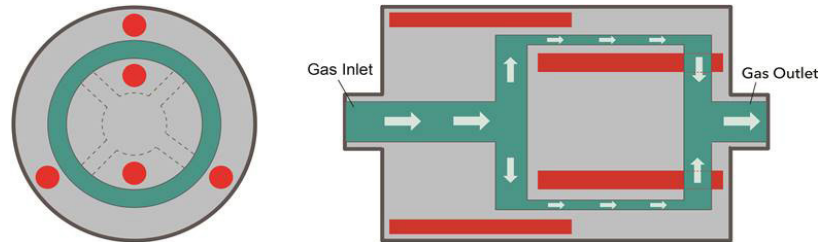


Heat Exchanger HX Series

Other Related
Products

HEAT EXCHANGER



■ Outlines

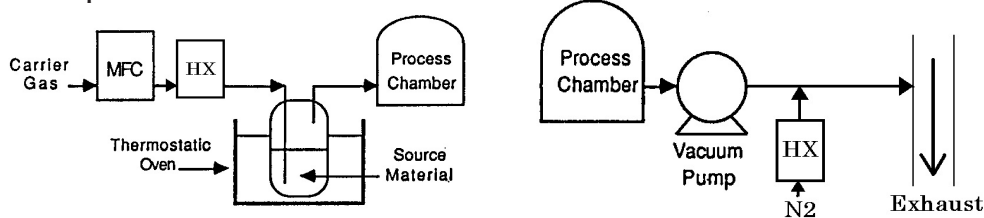
- HX Series: Compact heat exchanger utilizing LINTEC's high-efficiency vaporization techniques

■ Features

- Heatable up to maximum 300°C
- Built-in thermocouples
- LINTEC's original devices which have high-thermal efficiency, low pressure loss, and clean internal structure
- Thermal switch for aberrant heating detection installed

RoHS

■ Examples of use



(1) To heat the carrier gas

(2) To heat the exhaust gas

Model	HX-0050A-T160	HX-0050A-T230	HX-0051H	HX-0100C	HX-0300C
Flow rate in Nitrogen	50SLM		20SLM	100SLM	300SLM
Pressure loss	9.8kPa (50SLM N ₂)		40kPa (20SLM N ₂)	9.8kPa (100SLM N ₂)	30kPa (300SLM N ₂)
Withstand pressure	1MPa(G)				
Maximum power consumption	120V	500W	400W	700W	-
	240V	875W	400W	-	2100W
Thermocouple	K Type 1pc			K Type 2pcs	
Recommended temperature control method	PID				
Maximum operating temperature	150°C	200°C	300°C	300°C	250°C
Thermal switch	160°C ±3°C Open	230°C ±10°C Open	350±20°C Open	350°C ±9°C Open	
Leak integrity	1×10 ⁻¹¹ Pa·m ³ / sec He				
Materials exposed to gas	SUS316L				
Mounting position	Free				
Weight	1.6kg		2.0kg	5.5kg	