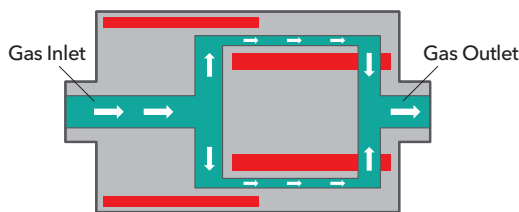
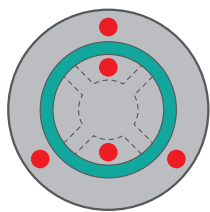


## Heat Exchanger HX Series



[HX Inner Construction]



Other Related Products

HEAT EXCHANGER

### ■ Outlines

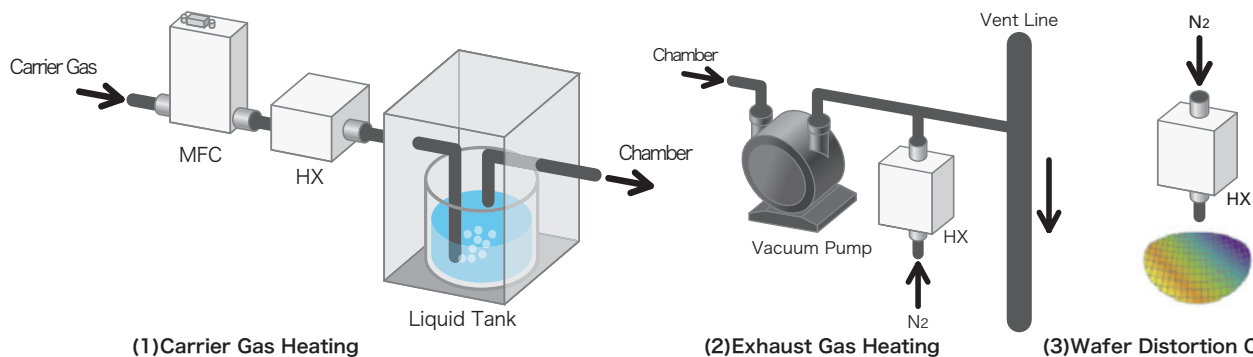
- HX Series: Compact heat exchanger utilizing LINTEC's high-efficiency vaporization techniques

### ■ Features

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

### RoHS

### ■ Application examples



(1)Carrier Gas Heating

(2)Exhaust Gas Heating

(3)Wafer Distortion Correction

Model	HX-0020	HX-0050A	HX-0051H	HX-0100C	HX-0300C
Flow rate in Nitrogen	10SLM	50SLM	20SLM	100SLM	300SLM
Pressure loss	14kPa (10SLM N <sub>2</sub> )	9.8kPa (50SLM N <sub>2</sub> )	40kPa(20SLM N <sub>2</sub> )	9.8kPa (100SLM N <sub>2</sub> )	30kPa (300SLM N <sub>2</sub> )
Withstand pressure	1MPa(G)				
Maximum power consumption	120V	100W	500W	400W	700W
	240V	100W	875W	400W	875W
Thermocouple	K Type 1pc			K Type 2pcs	
Recommended temperature control method	PID				
Maximum operating temperature	200°C		300°C		250°C
Thermal switch	230°C ±10°C Open		350°C ±20°C Open		350°C ±9°C Open
Leak integrity	1×10 <sup>-11</sup> Pa·m <sup>3</sup> /sec He				
Materials exposed to gas	SUS316L				
Mounting position	Free				
Weight	1.0kg	1.6kg	2.0kg	5.5kg	

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