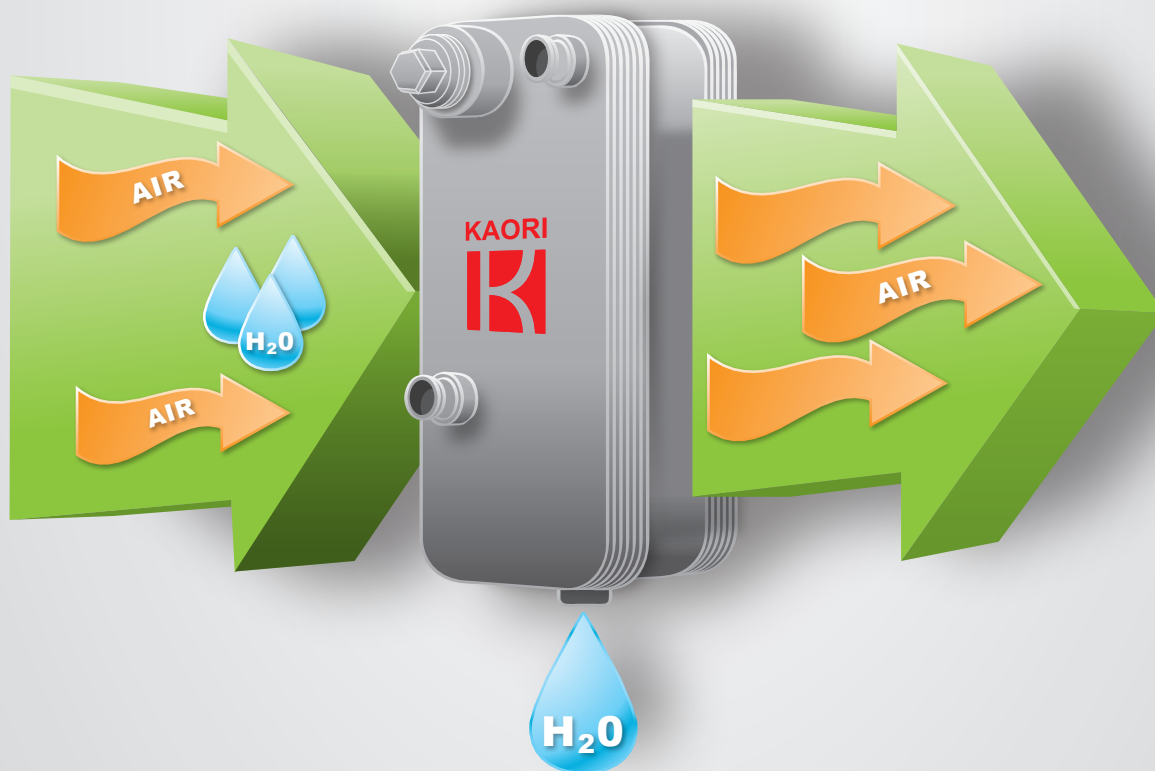




Brazed Plate Heat Exchanger

Innovative Solution
for
Refrigerated Air Dryer



General Information

Kaori's new global standard 3-in-1 premium performance heat exchanger solutions is engineered for Refrigerated compressed air dryers perfectly dehumidify compressed air. The most compact designed combined with excellent heat transfer is listed as one of the smallest refrigerated air dryer heat exchanger in the world.

Reliable, no leaks, truly corrosion resistance, energy savings, simple solution, and greater cost benefits are of vital importance that Kaori hear from you. Hence, we devoting significant research and development efforts driven by customer demand and launched The A030 refrigerated air dryer heat exchanger.

The non-demister heat exchanger combines precoolers, evaporator and separator plus zero loss drain, patent design avoid the clogging problem and ensure the reliability you trust from Kaori.

All stainless steel plates and separator with copper brazed plate heat exchanger has rigorous mechanical strength, ensures high corrosion resistance to protect critical pneumatic operations which result in the life of the dryer.

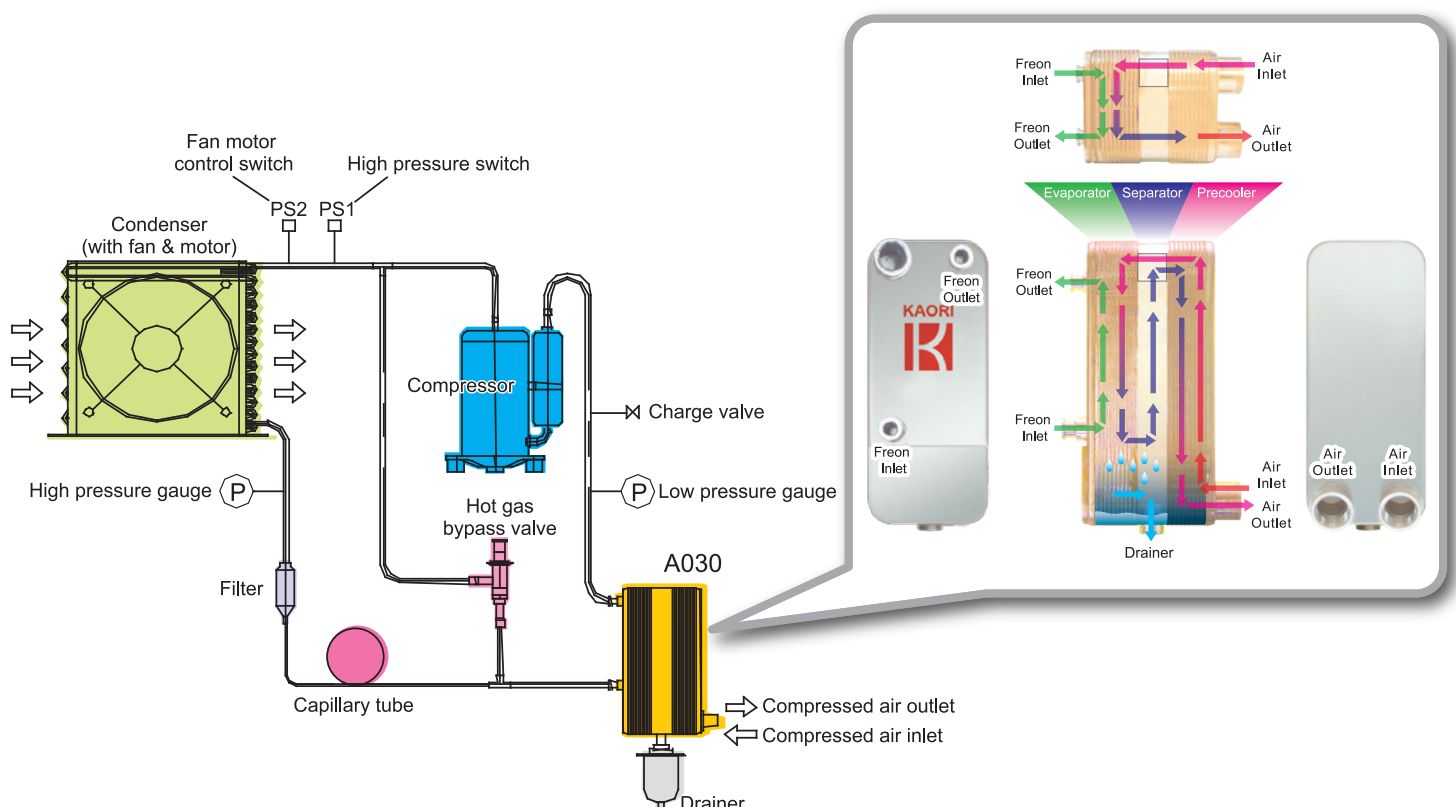
Utilizing innovative technological approach eliminates the cost of separator, worry-free leakage detection and installation complexity help customers increased productivity and process uptime.

Compact structure and the optimized heat exchanger reduces the amount of refrigerant, air dryer size, lower total cost of consuming electrical power, save money, space and low operation costs.

What KAORI offer

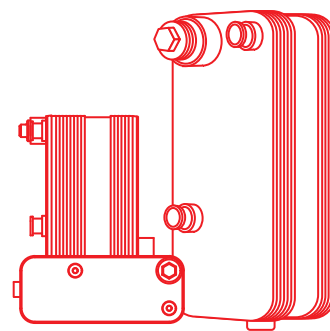
- * Custom design
- * Reliability
- * Fast Delivery
- * Competitive Solution
- * Easy Installation
- * High Performance
- * High Durability

Working Principle

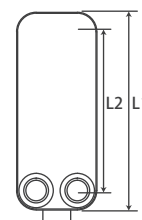
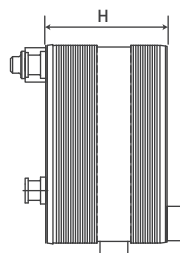
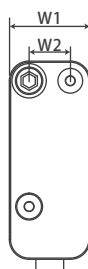


The Benefits Add Up

- No Demister, No Clog
- 3-in-1 Premium Design, Simply Integrates Pre-Cooler, Evaporator and Separator
- Steady Pressure Drop
- Stainless Steel, High Durability, Superior Reliability
- High Efficiency, Result in Compact Dryer Design



Specification



Quality Materials

Connections	Stainless Steel
Plates, Separator	Stainless Steel
Brazing Material	99.9% Pure Copper

Technical Data

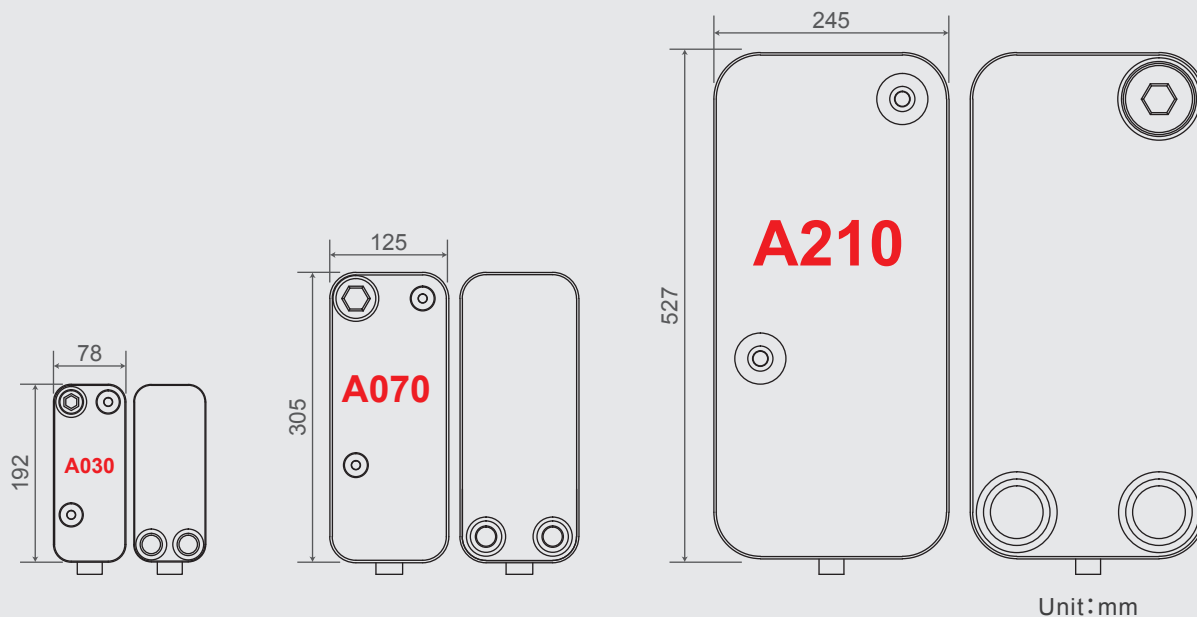
Model		A030/ A070	A210
Max. working temperature		200 °C	200 °C
Max. working pressure	Air Side	16 bar	10 bar
	Refr. Side	30 bar	30 bar
Min. test pressure	Air Side	23 bar	15 bar
	Refr. Side	43 bar	43 bar

Model	Male/Female Thread Connections								Solder Connections						Height (mm)
	PT/NPT/GB								Ø6.6 mm	Ø9.73 mm	Ø16.15 mm	Ø22.36 mm	Ø28.8 mm	Ø35.25 mm	
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	1/4"	3/8"	5/8"	7/8"	1 1/8"	1 3/8"	
A030		○								△					15
A070			○	○	○					△	△	△			27
A210						○	○	○			△	△			27

○ Female Thread △ Solder

Model	Air Side Flow Rate			L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	Weight (kg)	H Thickness (mm)	Air Connection (Inch)
	Nm ³ /min	Nm ³ /hr	sCFM							
A030-14-8	0.58	34.8	20.57	192	154	78	40	2.94	97.0	3/4"
A030-20-10	0.83	49.8	29.43	192	154	78	40	3.27	114.0	3/4"
A030-22-12	1.00	60.0	35.46	192	154	78	40	3.44	122.0	3/4"
A030-24-16	1.33	79.8	47.16	192	154	78	40	4.57	135.0	3/4"
A030-40-24	1.67	100.2	59.22	192	154	78	40	4.73	185.0	3/4"
A070-20-26	2.4	144.0	85.11	304	250	124	70	11.2	158.3	1"
A070-32-40	4.2	252.0	148.94	304	250	124	70	14.9	232.7	1-1/4"
A070-46-66	7	420.0	248.23	304	250	124	70	21.3	356.6	1-1/2"
A210-20-26	11	660.0	390.07	527	430	245	148	47.8	180.6	2"
A210-26-32	14	840.0	496.45	527	430	245	148	57.4	248.9	2"
A210-40-50	22	1320.0	780.14	527	430	245	148	77.6	394.4	2-1/2"
A210-50-64	28	1680.0	992.91	527	430	245	148	95.9	501.0	3"

Capacity



Model	A030	A070	A210
HP	0-15	10-50	30-200
Air Flow Rate		0.58 ~ 28 Nm ³ /min	
		35.0 ~ 1700 Nm ³ /hr	
		20.6 ~ 989 sCFM	

KAORI Brazed Plate Heat Exchanger Performance Diagram

