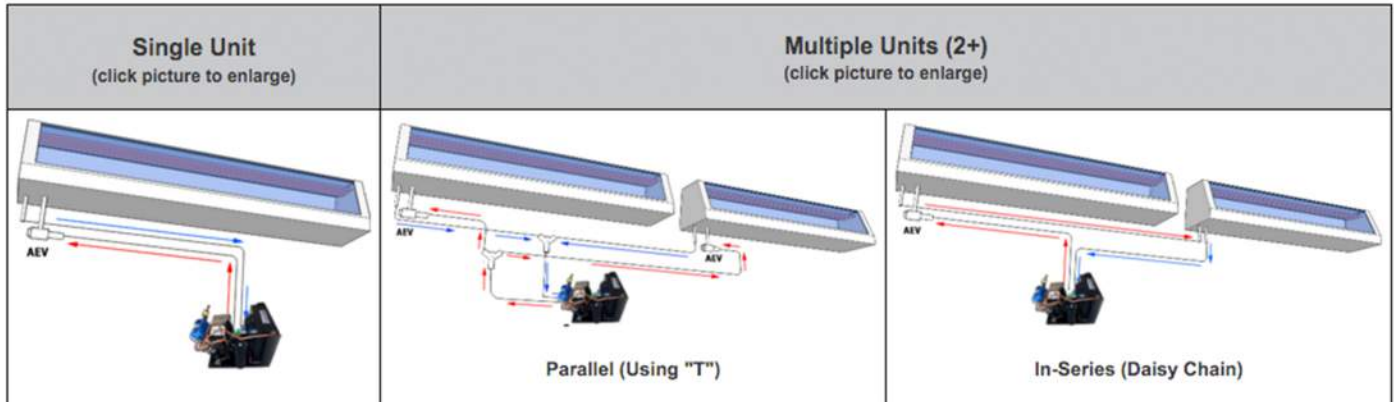


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INSTALL A SELF-CONTAINED UNIT



Before hooking up a Condensing Unit (C/U) to YOSHIMASA Remote SUSHI Display Case, please follow the instructions below:

WARNING

BEFORE INSTALLATION, PLEASE FOLLOW THE INSTRUCTIONS BELOW.

1. DO NOT LET THE INLET/OUTLET GAS NOZZLES TOUCH THE GROUND DIRECTLY.

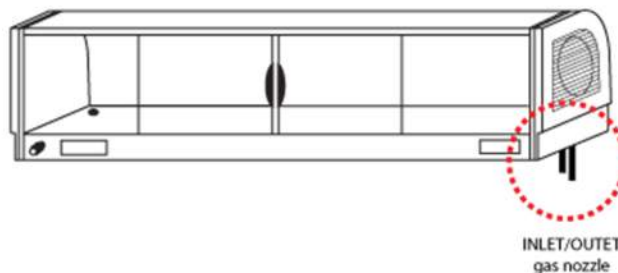
Please be cautious in taking the unit out of the packaging box. Any damages due to your carelessness will not be covered by the factory Warranty.

2. MAKE SURE THERE IS NO GAS LEAK.

YOSHIMASA Remote Sushicases come with about 40 psi nitrogen gas charged inside the evaporator from the factory. Breaking one of the nozzle caps should make a sound of gas releasing. If you, however, don't hear it (a very rare case), please vacuum the evaporator to confirm it.

3. CONTACT YOSHIMASA IMMEDIATELY FOR FURTHER INSTRUCTIONS

Upon vacuuming the evaporator if a gas leak is certain, please contact YOSHIMASA (310-555-1111/800-789-9835) immediately and ask for further instructions, otherwise go ahead and install the remote unit.



**PLEASE DO NOT INSTALL THE REMOTE UNIT UNTIL YOU ARE SURE OF NO GAS LEAK!
COMES WITH 1 YEAR PART FACTORY LIMITED WARRANTY IN THE USA AND CANADA ONLY!
YOSHIMASA IS NOT LIABLE FOR ANY GAS LEAK FOUND AFTER INSTALLATION!**

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1. Please handle with care and DO NOT let the INLET/OUTLET gas nozzles touch the ground directly.

A Remote Unit has INLET/OUTLET gas nozzles at the LEFT BOTTOM for a C/U hook-up. Although they come with sealed from the factory, there is NO GUARANTEE that they wouldn't get a damage when it is mishandled. If this incident occurs due to your carelessness, the warranty shall be void and you shall hold full responsibility for it.

2. Please check and make sure GAS doesn't LEAK!

Every YOSHIMASA Remote Sushi Display Case comes with a certain amount of nitrogen gas (about 40psi) charged inside the evaporator tube from the factory. Thus, you should hear a short sound of gas releasing at the time of breaking the seal of either inlet or outlet nozzle caps. If you can't hear any sound, which is a very rare case, but is possible due to imperfection of sealing the nozzle caps at the factory, you still cannot presume the case has a defect until you vacuum the evaporator tube for a actual leak. If any gas leak is found upon vacuuming please immediately contact YOSHIMASA Tech-Support at 1-800-789-9835 otherwise YOSHIMASA will presume that there has been no gas leak with the unit. If the unit has been installed without following the procedures described above, YOSHIMASA shall not be liable for any loss or damages of the unit from the installation.

3. Please have the Condensing Unit C/U meet following recommended Horse Power (HP).

Since the job site circumstances are so various following information might not suit your situation. So, if you are not still sure we highly recommend you consult with a professional refrigerator technician. YOSHIMASA Canada welcomes your call as well (+1778.397.7873). We also highly recommend you use an expansion valve to hook-up a C/U to the Remote unit. YOSHIMASA provides limited parts warranty only for a Remote Sushi Display Case

COMPRESSOR SIZE (hp) コンプレッサーのサイズ (馬力)			
TOTAL SIZE OF SUSHICASE (feet) 全寿司ネタケースの長さ (フィート)	DISTANCE FROM SUSHICASE TO CONDENSING UNIT (feet) 寿司ネタケースからコンデンサーユニットまでの距離 (フィート)		
	10 OR LESS 10 または 以下	11 - 30 12から30の間	31 OR MORE 31以上
3	1/5	1/4	Please contact YOSHIMASA Tech. Team. 1-800-789-9835
4 - 5	1/4	1/3	
6 - 8	1/3	1/2	
9 - 12	1/2	3/4	
13 - 18	3/4	1	
19 - 21	1	1 1/2	

REFRIGERANT 冷却剤
R-404
COMPRESSOR TYPE コンプレッサータイプ
Low Temp.: -40°F to +10°F 低温: (-38度から-12度)
SQUEEZE TYPE 締め付けタイプ
AEV (Automatic Expansion Valve) or CONSTANT PRESSURE VALVE

[TECH. NOTES]

- Do NOT forget to measure the distance between the Sushi case and the Condensing unit and carefully choose the SIZE and TYPE of Compressor to get appropriate temperature. (Please consult with YOSHIMASA Tech. Team if you are not sure.)
- Remember Overall Performance of Sushicase depends NOT ONLY on the components recommended above, BUT ALSO on your field Workmanship such as Leakproof Welding, Amount of Refrigerant Charge, Proper Adjustment of Expansion Valve, and so on.
- All sushi cases are designed to operate in an environment of 78°F ambient temperature with 55% relative humidity.
- Should you have any questions contact us and YOSHIMASA Tech. Team would be glad to help you.

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COMPRESSOR APPLICATION CATEGORIES

Low Temp. : -40°F to +10°F: (-38, -12)

Medium Temp. : -10°F to +30°F:(-23, -1.1)

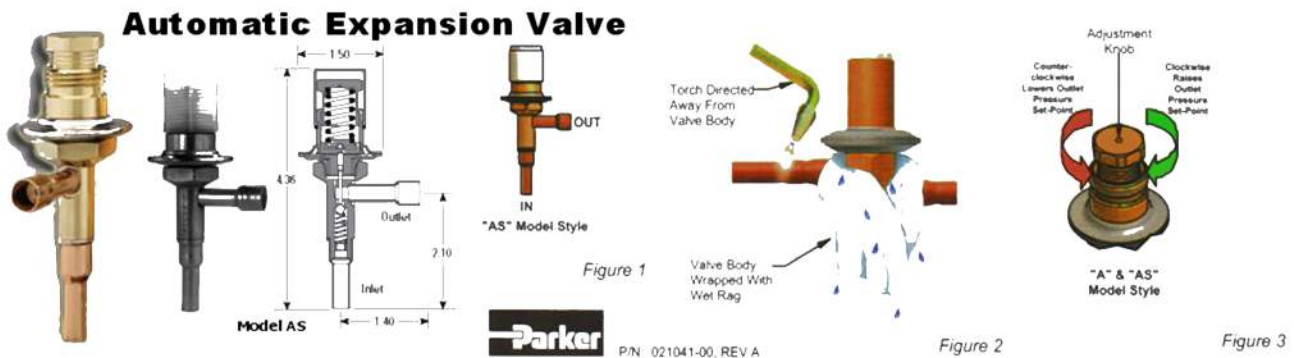
Commercial Temp. : -10°F to +45°F:(-23, -7.2)

High Temp. : +20°F to +55°F:(-6.6, 12.7)

Air Conditioning : +32°F to +55°F+32°F to +55°F: (0, 12.7)

Heat Pump : -15°F to +57°F:(-26, 13.8)

AEV/AXV(Automatic Expansion Valve) or Constant Pressure Expansion Valve - AEV/AXV



AEV/AXV Installation & Adjustment Instructions

1. Valve Specifications:

- 0-90 PSig adjustment range 0-90PPSig
- Construction: Brass, copper and stainless steel
- Internal equalizer
- UL recognized for maximum operation pressure of 500 PSig high side, 225 PSig low side
- Connections(inches): Inlet- 1/4 ODF, Outlet-3/8 ODF

2. Valve Orientation:

The ideal position for installing the valve is in a draining position with the outlet pointing downward. However, the valve can be installed in any direction. Note the inlet and outlet of the valve as shown in Figure 1.

3. Valve Installation:

For valves with copper to copper sweat connections, any of the commonly used types of solders, e.g., 95-5, Sil-Fos, Easy-Flo, Phos-Copper, Stay Brite 8, Blockade, or equivalents may be used. Regardless of solder type, the torch flame must be directed away from the valve body and the valve must be heat-sinked or wet-wrapped to avoid excessive heat on the valve and its internal components. See Figure 2.

During installation, the valve must not exceed 250°F. Excessive heat applied to the valve could alter internal components and factory braze joints, leading to refrigerant leaks and faulty operation.

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4. Valve Adjustment:

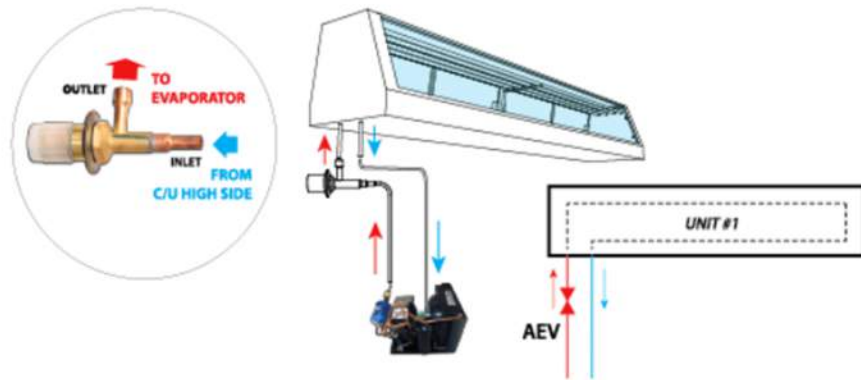
All AEV/AXVs are factory set based on Customer requirements. However, AEV/AXVs are adjustable using an adjustment knob or gland. See Figure 3. For AEV/AXVs, simply remove the protective plastic cap and turn the adjustment knob/gland clockwise to increase the outlet pressure set-point or counterclockwise to decrease the outlet pressure set-point.

* Please note that the control spring in these valves works with atmospheric pressure to move the valve in an opening direction. Any substantial changes in altitude after a valve has been adjusted will alter the low side flow rate maintained by the valve. If this data is required, please consult the Parker Engineering.

5. AEV/AXV (Automatic Expansion Valve) Installation Guide:

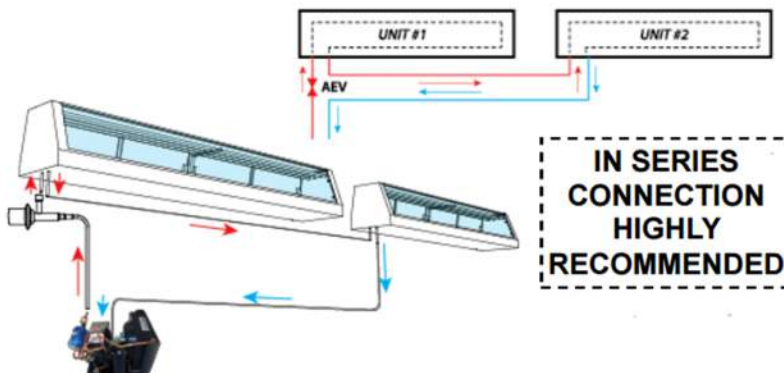
1. INSTALLING A SINGLE UNIT

- Get an AEV (Automatic Expansion Valve) also known as a constant pressure valve
- Identify the INLET and OUTLET ports of the AEV
- Identify the INLET and OUTLET ports of the remote unit:
Marks on the pipes should specify, otherwise specify one pipe for INLET and one pipe for OUTLET
- AEV OUTLET should be installed on the unit INLET one foot away from the unit
- Refer to the diagram below



2. INSTALLING MULTIPLE UNITS

- Get an AEV (Automatic Expansion Valve) — only **one valve per series**, not per unit
- Identify the INLET and OUTLET ports of the AEV
- Identify the INLET and OUTLET ports of the remote units
- Connect the Units **in series**: OUTLET of UNIT #1 should be connected to the INLET of UNIT #2 and so on
- Refer to the diagram below



⚠ ATTENTION ⚠

- Choose the correct size of external condensing unit: FREE CONSULTATIONS AVAILABLE!
- Compressor should always be running while displaying: DO NOT USE A TXV (Thermal Expansion Valve)
- All condensing units have to include a receiver tank
- If condenser unit is located above the sushi case(s) a solenoid valve has to be installed
- NO OVERNIGHT STORAGE