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Goodman B12262-07

Goodman B12262-07 Accumulator

INSTRUCTION MANUAL

1. PRODUCT OVERVIEW

The Goodman B12262-07 Accumulator is a critical component designed for use in specific HVAC (Heating, Ventilation, and Air Conditioning) systems. Its primary function is to prevent liquid refrigerant from entering the compressor, which can cause severe damage and system failure. By separating liquid from gaseous refrigerant, the accumulator ensures that only vaporized refrigerant reaches the compressor, thereby extending the life and efficiency of the HVAC unit.

1.1. Compatibility

This accumulator is a replacement part compatible with the following Goodman HVAC models:

- CPKE48
- CPKE42
- CKX60
- CFK70
- CPKE48-5



Image 1.1: The Goodman B12262-07 Accumulator, a vital component for protecting HVAC compressors.

2. INSTALLATION INSTRUCTIONS

Installation of the Goodman B12262-07 Accumulator requires specialized knowledge of HVAC systems, refrigerant handling, and electrical connections. Improper installation can lead to system damage, refrigerant leaks, personal injury, or voiding of warranties. It is strongly recommended that installation be performed by a qualified and certified HVAC technician.

2.1. Safety Precautions

- **Disconnect Power:** Always ensure that all electrical power to the HVAC unit is disconnected at the main breaker before beginning any installation or maintenance.
- **Refrigerant Handling:** Refrigerant is under high pressure and can cause frostbite or other injuries. Only trained personnel should handle refrigerants. Ensure proper recovery and charging procedures are followed.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including safety glasses, gloves, and protective clothing.
- **System Pressure:** Ensure the system is depressurized before attempting to remove or install the accumulator.

2.2. General Installation Steps (For Qualified Technicians)

1. Safely recover all refrigerant from the HVAC system.
2. Carefully disconnect and remove the old accumulator, noting its orientation and connections.
3. Install the new Goodman B12262-07 Accumulator in the correct orientation, ensuring all connections are secure and leak-free.

4. Evacuate the system to remove non-condensable gases and moisture.
5. Recharge the system with the appropriate type and amount of refrigerant as specified by the HVAC unit manufacturer.
6. Perform leak checks on all connections.
7. Restore power and test the system for proper operation.

3. OPERATION

The Goodman B12262-07 Accumulator operates passively within the HVAC refrigerant circuit. It is typically installed in the suction line between the evaporator and the compressor. Its design includes an inlet tube that extends to the bottom of the accumulator and an outlet tube near the top. This configuration allows liquid refrigerant to collect at the bottom, where it can boil off into a gas before being drawn into the compressor. A small orifice or metering device may be present to allow a controlled amount of oil to return to the compressor.

The accumulator does not have user-adjustable controls or active operational modes. Its function is continuous and integral to the safe and efficient operation of the compressor within the compatible HVAC system.

4. MAINTENANCE

The Goodman B12262-07 Accumulator itself is a sealed component and does not require routine user maintenance. Its longevity and performance are directly tied to the overall health and proper functioning of the entire HVAC system. Regular professional maintenance of the complete HVAC unit is crucial.

4.1. Recommended System Maintenance

- **Annual Inspections:** Have a qualified HVAC technician perform annual inspections of your heating and cooling system.
- **Refrigerant Charge Check:** Ensure the refrigerant charge is correct, as overcharging or undercharging can stress system components, including the accumulator.
- **Leak Detection:** Technicians should check for refrigerant leaks, which can indicate issues affecting the accumulator's performance.
- **Component Integrity:** During inspections, the technician should visually check the accumulator for signs of external damage, corrosion, or leaks.

5. TROUBLESHOOTING

A malfunctioning accumulator can lead to significant issues within an HVAC system, primarily affecting the compressor. Since the accumulator is a passive component, troubleshooting typically involves diagnosing broader system problems that may point to an accumulator failure. Always consult a qualified HVAC technician for diagnosis and repair.

5.1. Potential Symptoms of Accumulator Issues

- **Compressor Damage:** Repeated compressor failures or unusual noises from the compressor can indicate liquid refrigerant entering the compressor, suggesting an accumulator issue.
- **Reduced Cooling/Heating Performance:** If the system is not performing efficiently, it could be due to various issues, including an improperly functioning accumulator affecting refrigerant flow.
- **Refrigerant Leaks:** While not directly caused by the accumulator's internal function, leaks around its

connections or body would necessitate replacement.

- **Frosting on Suction Line:** Excessive frosting on the suction line leading to the compressor might indicate liquid refrigerant returning, potentially due to an accumulator problem.

If any of these symptoms are observed, contact a professional HVAC technician immediately. Attempting to diagnose or repair complex HVAC components without proper training and tools can be dangerous and may cause further damage to the system.

6. SPECIFICATIONS

The following specifications apply to the Goodman B12262-07 Accumulator:

Attribute	Value
Manufacturer	Goodman Mfg. Company
Part Number	B1226207
Item Weight	7 pounds
Product Dimensions	10.5 x 10.4 x 12.6 inches
Item Model Number	B1226207
Item Package Quantity	1
Batteries Included?	No
Batteries Required?	No

7. WARRANTY AND SUPPORT

For specific warranty information regarding the Goodman B12262-07 Accumulator, please refer to the documentation provided with your original HVAC system or contact Goodman Manufacturing Company directly. Warranty terms typically vary based on the product and installation conditions.

7.1. Customer Support

If you require technical assistance, have questions about compatibility, or need to report a product issue, please contact Goodman customer support or your authorized Goodman dealer. You can typically find contact information on the official Goodman website or in your HVAC system's user manual.