

Replaceable Core Shell - Installation Guideline

Installation/Location of Replaceable Core Shell

1. The filter drier must be installed in the liquid line, positioned after the receiver and before the expansion valve.
2. Before installation, check the flow direction on the product sticker. Ensures the correct orientation.

Product Location in Refrigeration Cycle



1

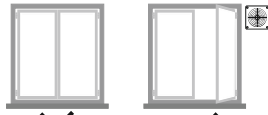
Brazing Technique & Materials and Tools

Do Installation work in normal, clean and safe atmospheric conditions. Please do not do any work in hazardous and unsafe conditions.



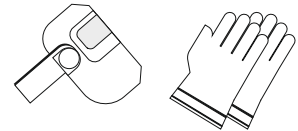
2

When working make sure that the area has enough ventilation or working exhaust.



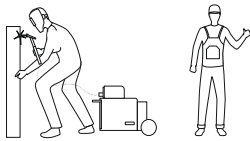
3

Use face shield or goggles as protection for eyes. Use heat resistance gloves.



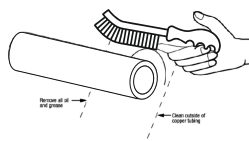
4

Wear impervious (Nonporous) coverall clothing with breathable fabrics.



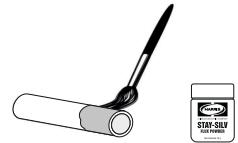
5

Clean the mating parts with cleaning pad or special wire brush



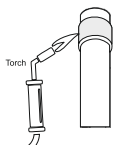
6

Apply flux to the male connection after cleaning operation.



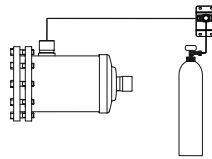
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Use a torch tip which is large enough to provide uniform heating on the mating parts



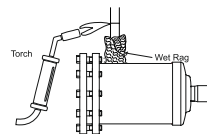
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During brazing bleed an inert gas (Dry Nitrogen or CO₂)



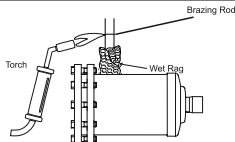
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Place cold wet rag on Filter Drier body and direct the flame of torch away from end of the shell so as to avoid damaging the shell and paint due to excessive heating.



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Use copper or high silver brazing Rod as required.

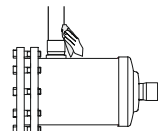


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Drier Connection	Mating Part	Recommended Harris Make Brazing Alloy or Equivalent.
Copper	Copper	Most Common used is Harris-0. For higher Vibration joints you may use Harris - Stay-Silv 2 / Stay-Silv 15 / Dynaflo.
Copper	Steel	Stay-Silv 25
Steel	Steel	Stay-Silv 45

12 ↓ Use Brazing Flux as required

After brazing the joint wipe the solder joint with a rag and allow it to cool. Clean to remove excess flow. (to improve the appearance) of flux if any.



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During Core Replacement

Preparation:

- Close the inlet and outlet valves of the filter drier.
- Pump down the refrigerant into the receiver or recover all refrigerant from the system.

Replacing the Core:

- Remove all bolts on the sealing flange.
- Follow the exploded view sequence strictly to replace the core. Missing any child part can cause leakage.

Inspection and Replacement:

- Ensure the new core is in a sealed package and in good condition.
- Check the flow direction again before installing the new core.
- Use a sharp tool to remove the old gasket inside the flange. Do not reuse old gaskets.
- Install a new seal and lubricate it.

