



# CLIPLIGHT

MANUFACTURING CO.  
DIVISION OF BRASSCORP LIMITED

## Servicing of AC/R units containing Cliplight HVACR sealants

These guidelines should be adhered to when servicing an ac/r system, which requires opening up the unit and exposing it to atmospheric conditions especially in the case of high humidity being present.

- A) After the unit's refrigerant has been successfully recovered proceed to purge using dry nitrogen through the system while venting to atmosphere.
- B) A purge time of 2 minutes at 25 psi / 172.4 kpa is sufficient for most medium residential ac units with line sets of 25 ft / 7.62 meters. A general rule would be for every additional 25 feet / 7.62 meters of line set add 2 minutes purge time. The unit is now ready to be worked on.
- C) When working on the open system always remember to follow good service practices such as continuous dry nitrogen purging while applying heat for the use of brazing connections. Using dry nitrogen helps to prevent the formation of metal oxides, which could cause future line restrictions. When brazing apply only enough heat to allow the brazing material to flow, avoid excessive heat.
- D) The installation of a new discharge line filter (liquid drier) should be installed as well as a suction line filter where applicable isolation valves and bypass capabilities are present. The suction line filter should be removed after 24 – 48 hours when specifically used as a cleanup procedure after a compressor burnout. The use of a suction line filter is generally used to help clean up a system in the event of high levels of contamination being present. In the case where a suction line filter has been added to facilitate system clean up then Super Seal should be added only after the suction line filter has been removed.
- E) After the necessary work has been completed the system should be evacuated to a minimum of 350 microns / .34671 mmHg vacuum before new refrigerant is to be added.
- F) If a unit is to be left open for a period of more then 24 hours it should be resealed and pressurized with a minimum amount of dry nitrogen to prevent ingress of air and moisture.
- G) When a compressor is to be removed from a system for repairs it will be necessary to remove all oil from compressor sump and dispose of according to Government and local environmental regulations. Afterwards a compressor flush with an approved OEM oil is required to effectively remove sealant / particle residual. To complete the cleaning a gas purge using nitrogen gas through the compressor will help to remove accumulated oil and solid particles. A two to three minute gas purge will be sufficient.

**Following good repair work practices such as outlined above will establish a high rate of success and help to eliminate call backs.**

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