



DRYMASTER® Replaceable Core Shells Installation Instructions

1. Completely pump down the system and isolate the DRYMASTER replaceable core shell (if bypass valves and piping exist, isolate and pump out any remaining refrigerant within the shell)
2. With the shell isolated, carefully loosen the bolts – but do not fully remove them
3. Before completely removing the lid bolts, break the O-ring seal to release any residual pressure inside the shell
4. Carefully remove the lid, bolts, washers, and spring – placing them where you will not lose or damage any of the components
5. Remove the core assembly by pulling on the wing nut
6. Remove the wing nut by unscrewing it from the plate connecting rod
7. Remove the inlet plate
8. Remove the contaminated core(s) or filter and gasket material. For shells with multiple cores, remove the separator plate and gasket material between each core
9. Inspect and thoroughly clean all internal components
10. Before removing the new core(s) from their packaging, organize the internal components using figure 2, to aid in reassembling the internals and minimizing the time the core is exposed to atmosphere
11. Install new core and gaskets in the outlet screen plate, adding additional cores, gaskets and separator plates as needed, using figure 2 as reference. NOTE: The tapered ID of the core(s) should face the outlet plate
12. Install the inlet plate and tighten the assembly using the wing nut
13. Install a bolt and lock washer into the shell flange.
14. It is recommended to replace the O-ring seal with Mueller part number P-37098
15. Lightly coat the O-ring seal with refrigerant oil
16. Install the spring, as show in figure 2, preventing interference with the wing nut
17. Engage the slotted hole on the lid with the bolt already installed in the flange shell. Ensure that the lock washer is on the top side of the lid. This will allow for easier installation of the remaining bolts.
18. Compress the spring using the lid and install the remaining bolts and lock washers hand tight
19. Using the torque pattern provided in figure 1, tighten all bolts to 25 foot-pounds maximum
20. Properly evacuate the portion of the system just serviced.
21. Test the shell assembly for leakage and return the system to normal operation

Figure 1: Torque Sequence Alternate

