

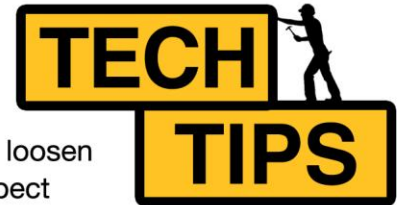


## Basic Maintenance for your CPS Recovery Unit

With the warm season upon us, there are a few simple steps that can be undertaken to ensure you are getting the most out of your CPS recovery unit this summer.

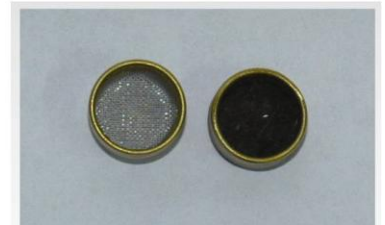
### PART 1: SUCTION FILTER SERVICE

MODELS- CPS CR300S, CR400E, CR500E, AR500E, CR600E



Using a 7/8" (5/8" for the CR700E) socket, loosen and remove the suction inlet fitting and inspect the suction filter. A clogged filter will slow recovery rates. Clean with degreaser, dry and refit or replace. Replace the suction fitting 'O'-ring if mechanically damaged.

Right: An example of a clean suction filter and a clogged suction filter. Clogged filters will slow recovery rates and can cause overheating and in some cases, premature failure of recovery units. Regular checking is recommended to ensure the unit is running efficiently.



**Spare Parts:** CRXF2- Replacement filter kit, suits all CPS units except CR700E  
CRXF3- Replacement filter kit to suit CR700E

### PART 2:- CONTROL VALVE SERVICE

MODELS- CPS CR300S, CR400E, CR500E, AR500E, CR600E, CR700E

#### Low side valve- 'Triple Seal' piston' type

Remove the plastic control handle using a Philips head screwdriver. Using a 5/8" socket, loosen and remove the valve assembly. A small flat blade or jewelers screwdriver will assist in separating the three old 'O'-ring seals from the piston body. The lower Teflon seal found at the base of the stem is removed by unscrewing the small Philips head screw.

Using the valve repair kit, P/N MXPVO, fit new 'O'-rings to the piston body. Fit the new teflon seal, ensuring that the smooth side (sealing surface) faces out. Use a small amount of loctite on the small locking screw. Apply a film of general purpose grease to the new 'O'-rings. Alternatively, replace the inner stem assembly with a ready-to-fit replacement, P/N MXPV. Refit valve assembly in unit and tighten the packing nut 1/8th of a turn after snug.

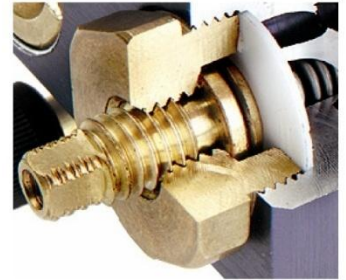


Please note, depending on the age of the unit, some older models came out with dual diaphragm valves, see 'High Side' servicing details on Page 2.

## High Side Valve- 'Diaphragm' Type

(Except CR700E- refer to 'Low Side Valve' details on Page 1)

Remove plastic sticker cover from the knob to reveal screw and remove with a Philips head screwdriver. Using a 1" socket wrench, loosen and remove the valve assembly from the unit. Replace the spring/plunger assembly, teflon disk and mylar disk in the same order they were removed using the repair kit, P/N M2XRK. Hand tighten the outer nut, then use a 1" socket wrench until snug. Turn 1/8th of a turn. Refit control valve knob. Check for leaks. Detailed instructions are also included in the M2XRK repair kit packet.



**Spare Parts:** Low Side - MXPVO- Triple Seal replacement valve kit. Services 2 valves.  
 OR- MXPV:- Complete Triple Seal piston stem assembly. Services 1 valve.  
 High Side- M2XRK:- Diaphragm valve kit . Services 2 valve assemblies.

**For further information on the procedures outlined above, user replaceable spare parts, or specific recoveryunit model maintenance or enquiries please do not hesitate to contact us.**

## CPS SC410A SUBMERSIBLE SUBCOOLER

# NEW!

**A tool you cant afford to be without.**

- Designed to dramatically increase the speed of ALL recovery units
- Up to 95% increase in speed, saving you **TIME** and **MONEY**
- Helps avoid high pressure cut outs and bottle changes
- Essential for high ambient R410A recovery
- Extends the life of the recovery equipment.
- Compatible with all gases
- Easy to use



Equipped with dual row copper coils, the SC410A is simply connected inline between the output of any recovery unit and recovery cylinder and placed in a bucket of cool water.



As the recovered refrigerant travels through the core, latent heat is absorbed by the surrounding water. This heat dissipation and resulting pressure drop means a lower recovery cylinder pressure and dramatically faster recovery rates. Basically, the hotter is gets, the better it works!

Conversely, during extreme cold, the unit can assist recovery by acting as an evaporator when it is placed inline prior to the recovery unit and placed in warmer water.