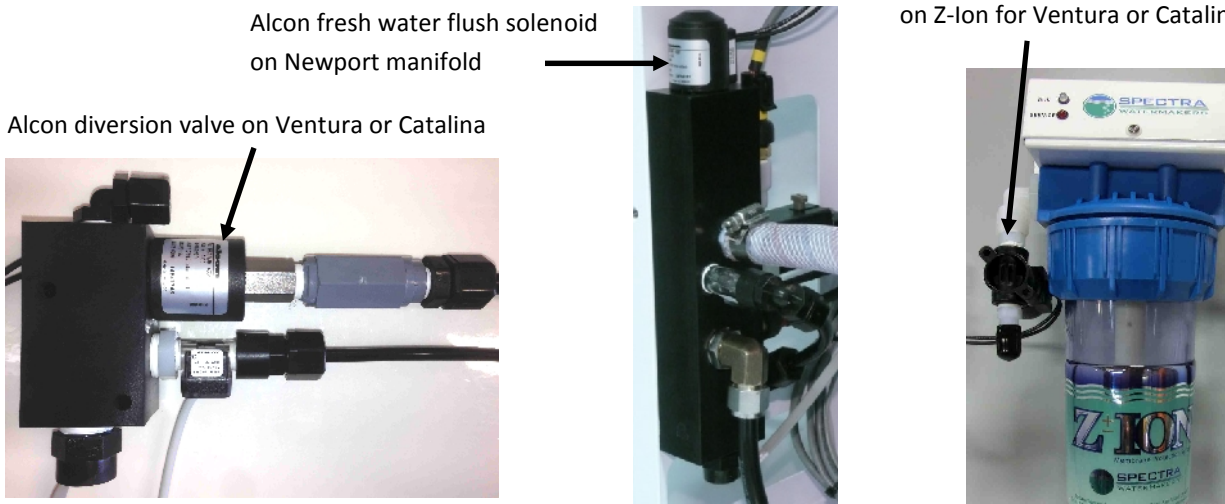
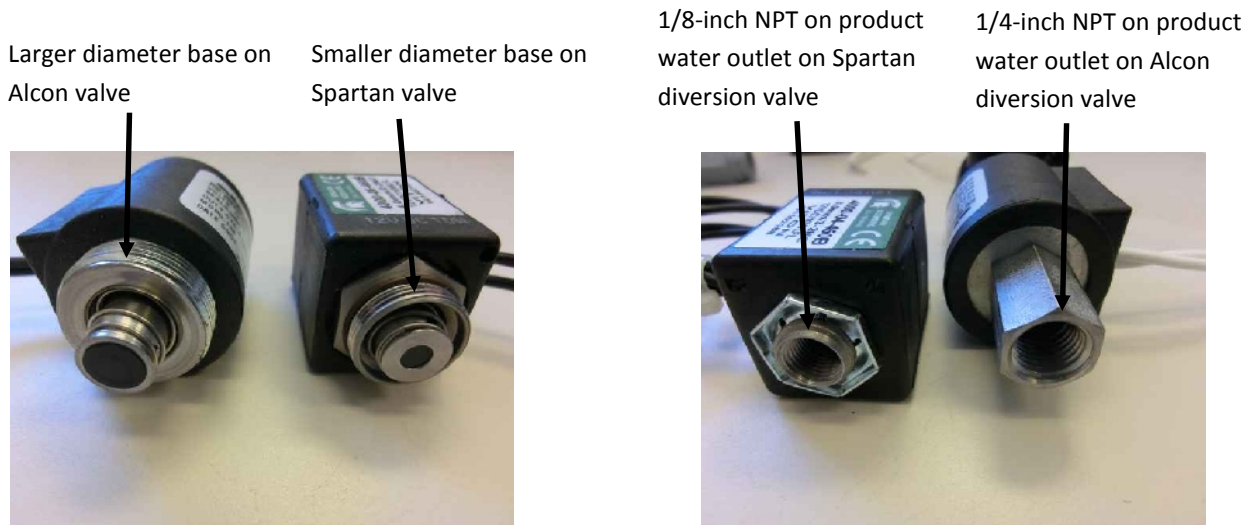


## Engineering Change Notice: Alcon to Spartan Fresh Water Flush and Diversion Valve Solenoids

For many years Spectra has used Alcon solenoid valves as the fresh water flush solenoids on all of our MPC systems, and as the diversion valve solenoid on Ventura MPC systems, all Catalina systems, and older Newport MKI systems:



Unfortunately Alcon has stopped manufacturing these solenoid valves, so we have found a substitute made by Spartan Scientific. The Spartan valves have the same sized orifices as the Alcon valves, so they won't alter the water flow, but Spartan valves have smaller threaded bases, and the output fitting on the Spartan diversion valve is smaller (1/8-inch NPT instead of 1/4-inch NPT):



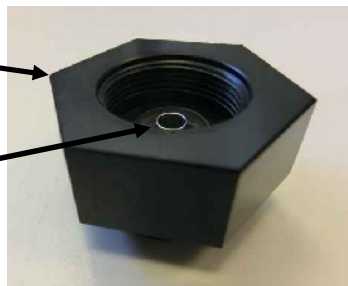
On new systems we will mill the receptacle for the smaller bases on the Spartan valves into the manifolds, so the change will be seamless. You will start to see the Spartan valves on new systems as we make the change over the next few months.

Diversion valve manifold for Ventura MPC or Catalina 340Z, with new Spartan valve and 1/8-inch NPT to 1/4-inch FPT check valve::

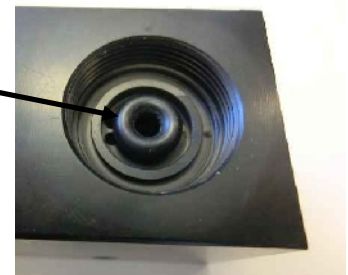


To replace a failed solenoid valve on an older system we have created an adapter (part number PL-MNF-ECI-SPAR) to fit a Spartan valve to an older-style manifold. To seal properly, the adapter must have a Spartan 4mm orifice insert (part number SLN-SPA4MOR) and an adapter O-ring (part number SO-MNF-SP/ECIAD).

Spartan valve adapter  
with  
Spartan 4mm orifice insert



O-ring in place on  
manifold, before  
screwing in adapter



In most cases of failed valves, a complete retrofit kit would be ordered, and this would include all the parts to make the change:

Diversion valve retrofit kit for Ventura MPC,  
Catalina 340Z or older Newport MK I systems:

Adapter  
Adapter O-ring  
Not shown: Spartan 4mm orifice insert

Spartan solenoid  
1/8-inch NPT to 1/4-inch FPT check valve



Part Numbers for Retrofit Kits:

Diversion Valve Kits: KIT-SLN-ECISPD1 for 12V

or

KIT-SLN-ECISPD2 for 24V

One-way Valve Kits: KIT-SLN-ECISPO1 for 12v

or

KIT-SLN-ECISPO2 for 24v