



MVE Tech Tips



March, 2008

Alcon Solenoid Refurb Kit

P/N 13390992

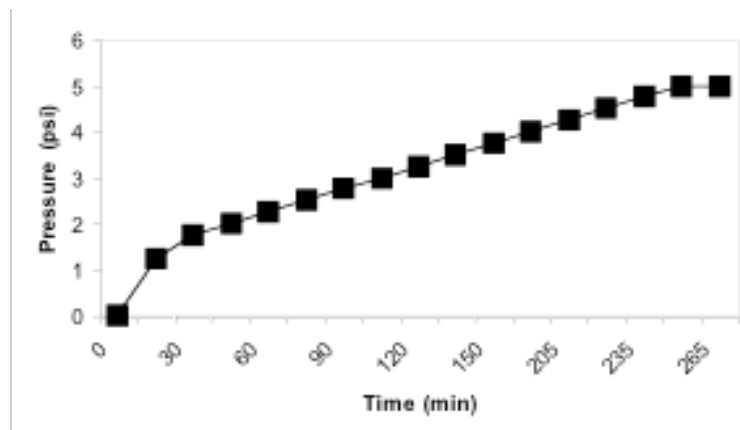
In October 2007, Chart changed solenoid valve suppliers from Alcon to SMC. Customers now have the option of ordering a replacement SMC solenoid valve or ordering an Alcon solenoid valve refurb kit for repair. The refurb kit has a list price of \$95.00 and the new SMC valve has a list price of \$185.00. The refurb kit includes the plunger, plunger housing, springs, seals, and coil. This kit allows customers to repair their existing valve without having to disassemble the plumbing assembly.



Manual Discharge Device Operation

The manual discharge device operates using temperature difference. The nozzle is exposed to the atmospheric temperature. This heat conducts down to the dip tube which makes contact with the liquid nitrogen. The liquid nitrogen is much colder than the dip tube, causing the liquid to boil off. When the discharge device is installed correctly (properly seated, vent valve closed), the head pressure pushes down on the liquid nitrogen, allowing it to be forcefully expelled from the nozzle. A warm full dewar will build pressure more quickly.

Manual Discharge Device Pressure



Note: This data is based on a full, stabilized Lab 10

Customer/Technical Info

For ordering information contact

Customer Service:

USA & Canada: 800 482-2473
Europe: +44 1344-403100
Asia/Australia: +61 297-494333

For technical information contact

Technical Service:

USA & Canada: 800-482-2473
LaDahvia Flournoy: ladahvia.flournoy@chart-ind.com
Ramone Gonzalez: ramon.gonzalez@chart-ind.com
Johnny Greene: jonathan.greene@chart-ind.com
Marc Seaman: marc.seaman@chart-ind.com
UK & Europe: +44 1344-403100
Kieran Taheny: kieran.taheny@chart-ind.com

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