

# Block Magic Options & Pricing

## Services We Offer for Valve Blocks

- **Failure analysis** - we perform a bench test for solenoid operation, diaphragm integrity, vacuum leaks, cross port leakage and external leakage. We provide a written report, and recommend a course of action.
- **Individual Port Repair** - we repair only the port(s) which have failed the inspection. If damage is limited to one or two ports, this is the most economical alternative to a complete. However because of the nature of the valve blocks, a contaminated vacuum system will require that the entire block is disassembled cleaned, reassembled and tested. If this is the case it is most cost effective to have the valve block completely rebuilt.
- **Vacuum system cleaning** - we remove the vacuum manifold and all solenoids, thoroughly clean of all contaminants, replace O-rings as needed, reassemble and test. This is ideal for those blocks which become contaminated as a result of another block failing.
- **Complete rebuild** - We dismantle, clean and rebuild the entire valve block. We replace all O-Rings, Seals and diaphragms. We precision drill the flow paths so that they are the original diameter. We polish the sealing surface of each port. We reassemble the valve block and test it for vacuum integrity, pressure integrity, cross port leaks, external leaks, flow rates and solenoid response.
- **Reconditioned Exchange blocks** - We can ship in-stock reconditioned blocks for delivery next day for those who need fast turn around. Reconditioning is the same as a complete rebuild. You must return your defective valve block to us in tact with all parts. Most popular valve blocks are in stock however it is possible that availability is limited - please call or email us to be sure we have the valve block you need.
- **Spare blocks** - if you have spare blocks that are damaged, send them to us. We will repair them and put them on our shelf in your name. When you need a block call us with a PO. We will invoice you when we ship.

## Flow Manifolds

Part of the rebuild includes re-surfacing and cleaning the flow manifold, however if the flow manifold is cracked or non-usable it must be replaced. The cost to replace the manifold is additional to the cost of the rebuild.

For Example: A 7solenoid 8 port block rebuild is  $\$60 \times 7 = \$420$ . If the flow manifold needs replacing, the additional cost for the flow manifold is  $8 \times \$55 = \$440$ . Therefore the total cost is  $\$420 + \$440 = \$860$ .

## Warranty

Repairs are warranted as parts and labor for 60 days; the warranty applies to the

parts replaced and the work actually performed. For reconditioned blocks the warranty extends to the entire block and all the components.

## **Pricing**

Block Magic is designed as a ship in program; the customer should be familiar enough with the instrument to identify, remove and reinstall the suspect valve block. If you are unsure, call tech support at **(510)795-1156**; we can help you with this.