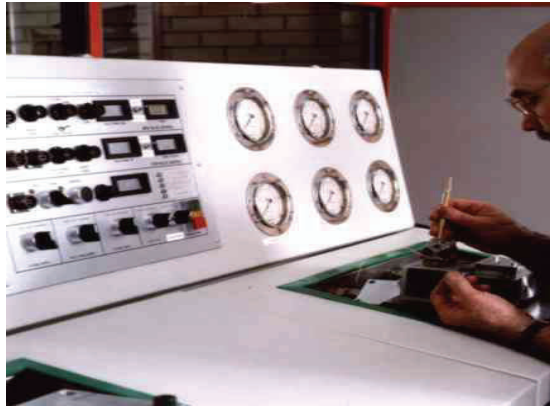


BMC Controls Ltd.

Servo Valve Repair Services

We have been repairing Servo and Proportional valves for over 25 years. Over this period we have achieved an average turnaround of 2 days. In the thousands of repairs we have carried out, we have declared less than 5 of these as 'unrepairable' There is **NO OTHER** UK servo repair company that can come **anywhere near** to this level of service. We don't even charge a premium for 'while you wait' or 'out-of-hours' repairs.

Unlike other repairers, our technicians have application experience that enables us to understand



what the valve does on your machine. In some instances our understanding of the application allows us to relax any specifications that we know are not critical. This avoids the replacement of parts that have no effect on the performance of your system. One example is the increased internal leakage over a slightly worn spool. In some applications this particular specification may not be critical, so there would be no need to replace the spool.

TYPICAL TESTS WE CARRY OUT

Input Signal/Flow
Flow Linearity
Flow Symmetry
Null bias
Input Signal/
Pressure
Pressure Gain
Internal Leakage
External Leakage
Stability
Coil resistance
Coil Insulation

All tests are carried out to the original manufacturers published specifications

Spare parts meet or exceed original manufacturers specifications.

What will we do to your valve?

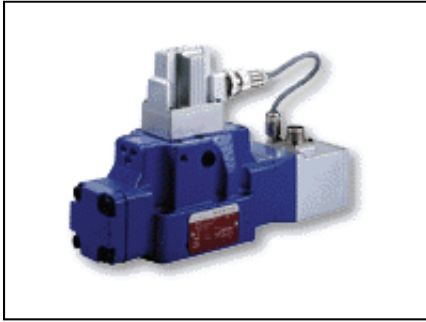
Typically, the initial inspection of a valve condition shows the level of work required. For example if the valve is very clean with no visual contamination of the pilot filter and all 'O' rings are in excellent condition the valve **may not** require a full strip and clean.

This however is very rare, and virtually all valves sent to us are subjected to a **Full strip and clean.**

Note: we also fully strip the pilot stage, which some company's charge extra for.

Many valves sent to us have been damaged by excessive heat, and therefore we fit 'Viton' 'O' rings wherever possible as these have a much better temperature rating.

In the event we discover that oil temperature was the cause of the problem we always advise you so that action can be taken to prevent a reoccurrence. We don't just repair valves, we try to help you improve your machines reliability. If you have already sent us servovalves for repair it is very likely you will have experienced the advice we give on contamination control, valve sizing etc...



We repair high flow multi-stage proportional valves.
Pilot stages are stripped, cleaned and recalibrated.
Integral loop closing electronics repaired.

Size '3' and '5' valves are the mainstay of our valve repair service. We also stock many versions of this series. Based on the original nozzle-flapper pilot stage these valves are used on machinery all over the world.



High performance servo valves for high performance applications. We take great care to ensure this type of valve is tested to meet the original manufacturers specification.

We recommend the latest 'Direct Drive servo valves' for all new applications as they are more accurate and much more tolerant to dirt than traditional designs. Our test rigs have recently been equipped with facilities for testing these new types of valve.



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