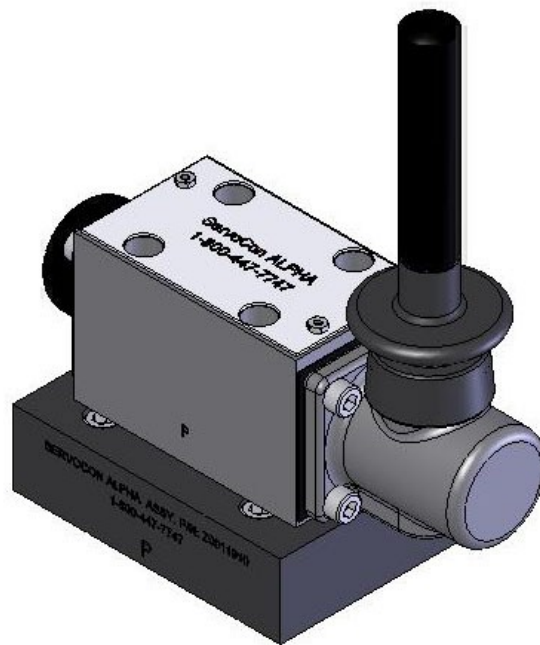




Z0011000



Flushing Valves



Hydraulic Products

- Supply
- Manufacture
- Service
- Repair



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Flushing Valves

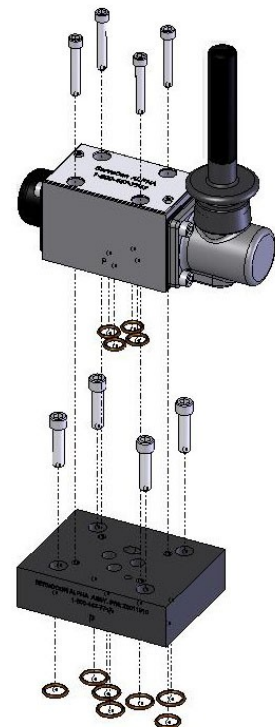
Operation

The amount of contaminant removed during a flushing depends not only on the effectiveness of the filter used, but also the velocity of the flushing fluid. Unless high velocities are attained, much of the contaminant will not be dislodged. The flushing valve designed and made by Servocon ALPHA can be installed in place of the servovalve to test the hydraulics. Normal operation of the flushing valve immediately shows if the system is operating properly. The valve is designed for easy flushing. It has a tandem center so that the pressure port has a connection to the tank. With the pump running and the valve centered, the hydraulic system will flush by circulating oil through the pressure, return lines and through the system filters. Both sides of the actuator and its lines are flushed by moving the handle forward and back. Where applicable the flushing valve has a fifth port for flushing systems with fifth port valves. While the system is being flushed the servovalve is protected from fluid contamination.

Assembly

The principal components of the Z0011920 flushing valve assembly is the Z0011910 flushing valve and the Z011921 and Z011922 manifold.

Z0011910 Flushing Valve

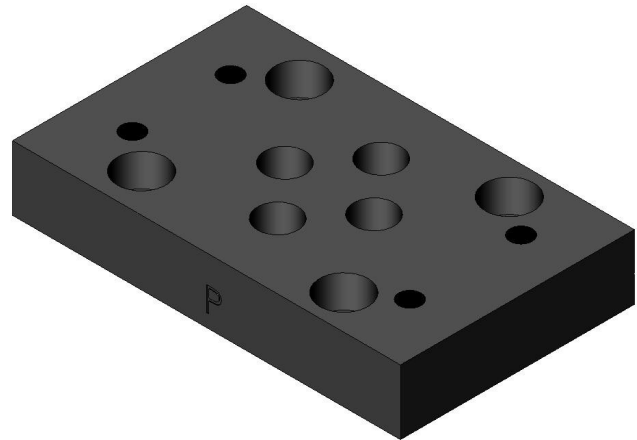


Components

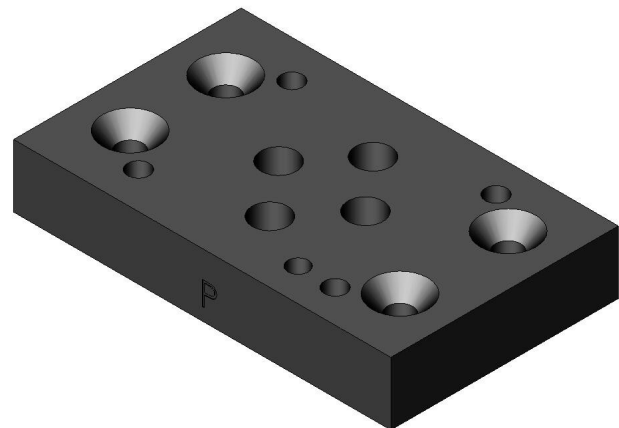
Manifold Blocks

In order to adapt the flushing valves to the hydraulic system and the control pac, we provide many different types of manifolds. Z0011920 flushing valves replace Valves through the use of the Z-11921 and Z011922 manifolds.

Z011921 Manifold



Z011922 Manifold



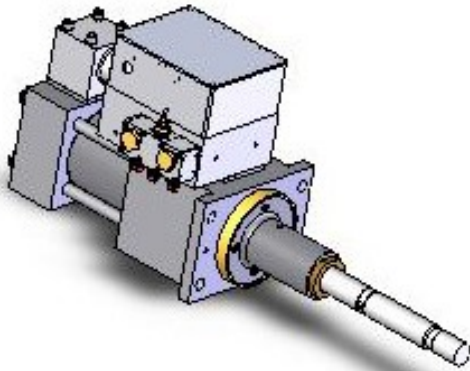
Repair Procedure

Steps Of Our Repair Procedure

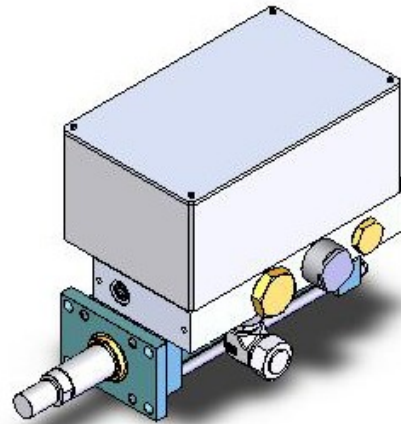
1. We receive Flushing Valves into our lab.
2. Each Flushing Valve is visually inspected and any outward condition is noted by our receiving inspector.
3. All components are marked for identification so that the same components stay with the correct Flushing valve.
4. All components are removed and disassembled individually and cleaned. Any contamination found in components will be documented for your review and our customer records.
5. Seals are replaced on all components. Pricing for these will be sent to you on a price approval sheet prior to doing any work.
6. All components, including the cylinder, are re-assembled and tested to OEM specifications. The Flushing valves are tested through a "burn-in test" where they are actuated with system pressure. Internal leakages are checked and individual components are evaluated for minimum leakage requirements.
7. When there are no signs of external leakage, the unit is prepared for safe shipment back to the customer.
8. There will be a detailed service report for all flushing valves sent to the I & C Supervisor. Communication between ServoCon's technicians and the customer is frequent.
9. Nothing beyond the scope of Cleaning & Calibration will be done without prior notice and/or price approval using our authorization procedure.
10. We require that the customer remove fluid prior to shipment. There will be a charge for fluid removal and disposal.

Control Pacs

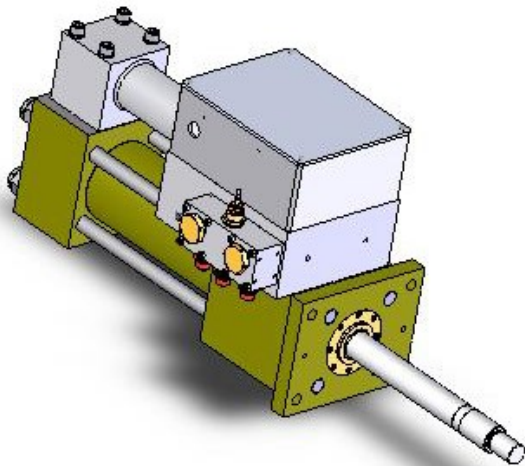
Governor Control Pacs
Z0153000



Throttle Control Pacs
Z0158000



Intercept Control Pacs



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ServoCon ALPHA

Expo Industrial Park

167 Expo Road

Fishersville, VA 22939

Phone: 800-447-7747

Fax: 540-337-4901

Email:

servoconalpha@servoconalpha.com

<http://www.servoconalpha.com>