OVERVIEW SERVO VALVE RANGE

FLEXIBLE DESIGN, HIGH PRODUCTIVITY



WHAT MOVES YOUR WORLD

VALVE TYPES EXPLAINED

MECHANICAL FEEDBACK (MFB)	ELECTRICAL FEEDBACK (EFB)	DIRECT DRIVE VALVE (DDV)	DIGITAL (DCV) AND AXIS (ACV) CONTROL VALVE
 Robust construction for use in extreme environments Suitable for use in high temp/high shock environments Very high response valve options available Intrinsically Safe Atex Approved Options Simple integration and commissioning 	 Inherently high resolution for extreme accuracy requirements Integral Diagnostic function High flow valve options available Exd Atex approved options Directly Accommodates common PLC command signals 	 Inherently high resolution for extreme accuracy requirements High Force Linear motor technology provide greater energy efficiency Operates down to zero supply pressure Analogue Pressure control technology option Simple onboard diagnostics 	 Integrate Digital Electronics with fieldbus technology Sophisticated diagnostic software and error handling capabilities Software configurable valve function Simplifies multi-axis system communications Integrated "System" closed loop controller (ACV)
Nozzle Flapper Pilot G631 G761 G771 G772 G773 72 79-100 79-200	Servojet DDV pilot Nozzle D661 D681 Flapper D662 D682 D765 D663 D683 D791 D664 D684 D792 D665 D685	Flow control Pressure Control (PQ) D633 D634 D638 D636 D639 D637	Flow Control Pressure Control (PQ) D636 D637 D637 D638 D671 D639 D672 D941 D673 D942 D674 D943 D675 D944 D945

A CLEAR DIFFERENCE YOU CAN SEE

Moog has built a reputation for engineering worldclass products. Ensuring these products continue to deliver unsurpassed performance and productivity is the role of Moog Factory Repair.

Here are a few real-world examples that showcase how critical the right service and support can be.

UNAUTHORISED REPAIR HOUSE

MOOG FACTORY REPAIR

Authentic Moog Replacement Parts

The Unauthorised Repair House (URH) repair on the left suffered from internal leakage 9 times the Moog specification. The Moog Factory Repair on the right was brought back to "As New" performance with an authentic Moog replacement spool piece, delivering higher pressure gain and precise flow control.



Authentic Moog replacement sharp spool edge

Servo Valve Repair

As Unauthorised Repair Houses do not have access to authentic Moog parts, the quality of the repair may be limited to the effectiveness of their cleaning process. The valve on the left was cleaned by the URH. Material build-up can break free, prematurely clogging the small orifices shown in this photograph. Moog would replace the component as shown on the right.



Clean, smooth surface of authentic Moog replacement torque motor



Actuator Repair

Moog is the OEM supplier of actuators for many turbine engine manufacturers. We are uniquely qualified to perform repairs and overhauls during power plant outages. Incorrect assembly and material selection as shown on the left will lead to unplanned downtime and lost profits.

Pump Repair

Unable to repair the RKP pump pictured on the left, the URH returned the pump to the customer disassembled. The same pump is pictured at right after a Moog Factory Repair to "As New" performance and painted in accordance with custom customer specifications.



BEFORE



Actuator properly repaired to Moog specification

AFTER



MOOG VALVE TYPES EXPLAINED



Rated Flow @ 70 Bar Delta P (l/min)



Frequency Response (90° Phase Lag, +/- 25% Signal (Hz)

1. Selection of the optimum valve involves understanding the performance requirements of your applications. Broadly, this comprises of two parameters:

2. The system power requirement which relates broadly to the maximum rated flow of the valve (blue bars)

3. The required system dynamics which correspond closely to the small signal frequency response of the valve (red bars)

TALK TO MOOG TODAY

Moog offers a wide range of motion control products and systems incorporating a wide variety of world-class electric and hydraulic components.

- Actuators (Electric and Hydraulic)
- Ball Screws and Roller Screws
- Integrated Hydraulic Systems
- Miniature Actuation Products and Systems
- Servo and Machine Motion Controllers
- RKP-II Radial Piston Pumps
- Servo Drives
- Servo Motors
- Slip Rings
- Simulation and Test Systems
- Test Controllers



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Servo valves Range GKL/Rev. A 0113 This technical data is based on current available information and is subject to change at any time by Moog. Specifications for specific systems or applications may vary.

NUMERO VERDE GRATUITO

DEDICATO AL SERVIZIO RIPARAZIONI

