



## BENCHMARK BM760 SERIES SERVO VALVE

The Benchmark BM760 series valve is a high performance, two stage valve utilizing a nozzle flapper pilot and a force-feedback design for control. The BM760 has been extensively tested to assure that it is 100% compatible with Moog models 760, D761, A076; Atchley 215 and 218; Vickers models SM415 and SM420; Schenck Pegasus models 132, 142 and 162.

### **OPERATING PRESSURE**

500 TO 3000PSI

### **FLOW RATES**

.25 -15GPM @ 1000 PSID +/- 10%

### **FLUID**

Petroleum based fluids with viscosity range of 60-450 SUS @100 F

### **FILTRATION**

ISO DIS 4406 code 16/13 max

Recommend 14/11

### **RECOMMENDED TEMPERATURE**

110 -120 F

### **SYMMETRY**

Less than 10%

### **LINEARITY**

Less than 5%

### **HYSTERESIS**

Less than 2.5%

### **NULL SHIFT**

Less than 2%

### **THRESHOLD**

<1 %

### **FREQUENCY RESPONSE**

80Hz.

### **STEP RESPONSE**

0-100% 12.5MS

All dimensions for interface are the same as for a Moog 760 four port valve. Electrical connector is a MS3106F14S-2S, the same as Moog.