Specifications

Actuator Sizes and Model Numbers
See (figure 4/page 7)

Operating Pressure
Maximum Allowable: Corresponds to maximum output torque. See tables (1 thru 4/page 4, 5, 6)
Minimum Recommended: Depends on torque required. See tables (1 thru 4/pages 4, 5, 6)

Maximum Output Torque
See tables (1 thru 4/pages 4, 5, 6)

Material Temperature Capabilities
Standard: -20° to +200° F (-29° to +93° C)
Optional: 0° to +350° F (-18° to +177 C)

Maximum Valve Shaft Rotation
100 degree maximum actuator rotation can be limited with independent, externally adjustable travel stops. Travel stops are of sufficient size to absorb maximum torque output

Valve Shaft Connection:
See figures (5 thru 8/pages 8 thru 15), dimension K for acceptable valve shaft dimensions. Accepts a keyed shaft.

Standard Construction Materials
Body: Ductile iron
Cylinder: Carbon Steel
Stainless Steel
Amalgam

Piston: Ductile iron
Seals:
Standard: Nitrile
High Temperature: Fluorocarbon
Nuclear: EPR (ethylene propylene rubber)

Pressure Port Connections:
See (dimension I) in figures (5 thru 8/page 6, 7)

Stroking Time:
Dependent on actuator size, rotation, and positioner if used. If stroking time is critical, consult your R.S.V.P. sales office or sales representative

Approximate Weights:
See tables (5 and 6/page 6, 7)

Accessories
Limit Switches: Models with SPDT and DPDT limit or position indicating switches are available.
Solenoid Valves: Pneumatic input solenoid control valves and pilots are available for standard and fail-safe configurations of double-acting and spring-return actuators
Hydraulic Override
Jackscrew Override

Sampler Actuator Model Numbers
45101SR060C1000, 45101DA000A1000

Note:
1. Springs for 60 and 80 psig are standard stock items.
2. Springs not for sale. Contact the R.S.V.P. sales
   office or sales representative of the factory for availability.
3. Available with an external tank for failure action upon loss
   of electricity or loss of supply pressure.

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