

Actuated Service

By virtue of its low torque design, the Cam-Tite Ball Valve is an inexpensive and easy valve to actuate. The low torque feature allows the valve to be actuated with a much smaller and more cost effective actuator. This means you have the superior performance of the Cam-Tite Ball Valve at a lower package cost than with conventional ball or plug valves.

When it comes to actuated "isolation" valves, the Cam-Tite is truly unique. To begin with, since there is virtually no load on the seats when the valve rests in the open position, the seats remain in prime condition waiting to be called into service. Since there is no "breakaway" when moving from the open to closed positions, the actuator is set into motion without opposing load. Only when the valve is essentially closed does the valve operating torque reach design peak. It is nice to know that when peak load is reached, the valve is already closed.



Engineered Valves can supply actuator packages utilizing the Compact rack and pinion actuator or any other actuator suited to your needs. Actuator packages are completely assembled and tested by Engineered Valves to meet our highest standards of quality.

Typical actuator mounting is accomplished either by utilizing the flange pads on flanged end valves or by replacing the cover bolts with studs and double nuts on socket, threaded and butt-weld configurations. Both methods allow the removal of the actuator without disturbing the body/cover seal.

If field mounting of actuation is necessary, the following guidelines should be followed:

1. Use flange pad mounting when available. If not, then machined studs must be used – not threaded rod.
2. It is recommended that if the bonnet is loosened, then the cover gasket should be replaced.
3. Bolting torques shown on page 40 should be followed.
4. The rotational stop pin in the cover (3", 4" and 6") should be removed. Open/closed positioning should be accomplished by proper adjustment of the actuator travel stops.

See pages 26-29 for actuator mounting details.

