

As previously stated the factors that affect torque are varied. Flow Line in response has determined that these 3 classifications of service conditions be considered when sizing an actuator.

Class I

- Valve to be operated a minimum of once a day.
- Temperature well within resilient seat limits.
- Line media is self-lubricating. (Water, clean oils, etc.)
- No chemical attack on disc or seat.
- No media deposits on disc edge.

Class II

- Valve to be operated a minimum of once a month.
- Temperature within resilient seat limits.
- Line media is self-lubricating. (Aqueous liquids)
- Minor chemical attracts on seat.
- Disc corrosion and media deposits to be mild.

Class III

- Valve operated infrequently.
- Temperature is at extreme limits.
- Non Lubricating line media, (hot air, dry bulk).
- Chemical attack on seat to be severe.
- Media deposits and corrosion on disc edge moderate to severe.

NOTE:

1. Refer to the appropriate Flow Line technical bulletin for selecting the torque for class I, II, and III.
2. In pneumatic conveying applications, Flow Line recommends that an appropriate trim disc in a 50# (undercut) be used.
3. Please consult with Flow Line for recommended actuator sizing.