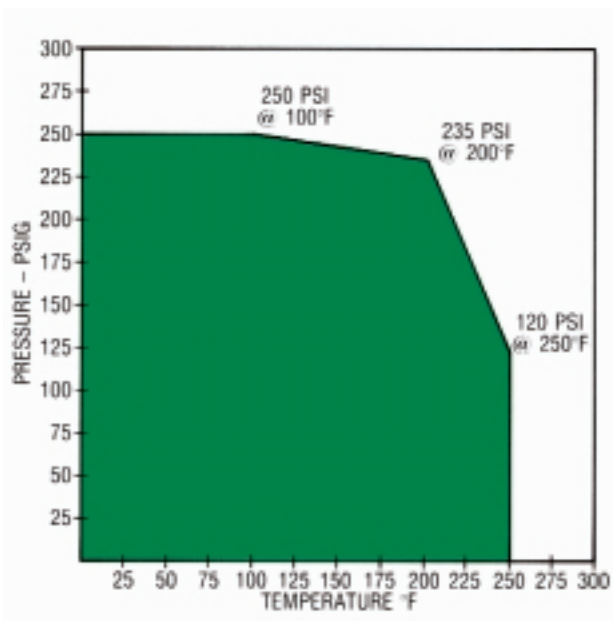


Cam-Line® Technical Data

Pressure/Temperature Curve for Tefzel Lining Reinforced PTFE Seats



Operating Torques/Flow Coefficients (Cv)

The actual amount of torque required to operate a valve is dependent upon many variables, such as line pressure, temperature, type of fluid, frequency of operation, etc. The following tables are based on average breakaway torque requirements for a valve handling a clean, particle free liquid such as water. The torque values listed should be adjusted for special service conditions. For fluids with high solids or abrasive content, consult factory for recommendations.

When sizing an actuator for automatic operation, it is recommended not to exceed the Maximum Stem Torque as noted below. This will avoid permanent damage to the valve stem as a result of a blocked valve and an over-sized operator.

Size	Torque (in lbs.)	Max. Stem Torque (in lbs.)
3/4"-1"	120	709
1 1/2"	130	1870
2"	280	1870
3"	500	3030
4"	800	5740
6"	1250	24500

Flow Coefficients (Cv)	
3/4"-1"	30
1 1/2"	73
2"	160
3"	355
4"	751
6"	800

Based on water flowing at 68°F

Cam-Line® Options

External Protection with Corrosion Resistant PVDF

For ultimate exterior corrosion protection in aggressive chemical environments, Cam-Line ball valves can be externally coated with PVDF. A popular feature of the Dia-Flo® Diaphragm Valve, this optional 6-8 mil coating is applied to all ductile iron components of the Cam-Line prior to the valve being lined. The result is a mechanically tough coating that is resistant to spills, splash, and corrosive atmospheres at temperatures to 200°F. TEFLON® lined Cam-Line ball valves coated with PVDF are equipped with stainless steel fasteners to enhance total corrosion resistance.

