



Can rapid changes in column back pressure damage an HPLC column – FAQ

Yes, definitely.

Exposure to rapid changes in back pressures in HPLC columns can cause a type of “pressure shock” and cause damage. For normal HPLC columns, limit the pressure in your columns to 5,000 psi and avoid rapid changes such as manual injectors that “slam” the pressure.

For this and other reasons, it is best to operate your HPLC system with pressure cut off around 3,500 psi. This will protect your non UHPLC HPLC columns from this damage.