



1100/1200 Series LC System Recommended Maintenance Schedule

Pumps

Item	Typical Schedule	Actions/Comments
PTFE frits in purge valve	Every month	Before re-installation of the purge valve, always check the gold seal and replace if deformed.
Solvent inlet filter	Every 6 months	Never use the system without a filter installed.
Piston seals, outlet gold seal, plastic cap, wash seal, gasket wash seal	Every 12 months	When piston seals are exchanged, check the surface of the piston for scratches and deposits. Never re-install a used piston seal.
Piston, cartridge active inlet valve, outlet ball valve	Every 24 months	Pistons can be cleaned with alcohol or toothpaste. After exchanging the active inlet valve cartridge, pump several mL until the system is stable.

Autosampler

Item	Typical Schedule	Actions/Comments
Guard column	Every 100-500 injections	Change the guard after 25-50 injections for dirty samples, 100-250 injections for most samples, and 500 injections for very clean samples.
Piston seal, isolation seal, stator face	Every 24 months	

Column

Item	Typical Schedule	Actions/Comments
Needle and needle seat, rotor seal	Every 12 months	Make sure you use rotor seals of the correct material depending on the operating pH.
Column inlet fittings	Ever 5-10 column changes	PEEK fittings make changing inlet fittings fast and easy. Stainless steel fittings are reliable and can be used at higher pressure.

Detectors

Item	Typical Schedule	Actions/Comments
DAD and MWD Detectors	Exchange standard lamps after 1000 hours. Exchange longlife lamps after 2000 hours.	A noisy baseline may indicate it is time to change the lamp. Low light intensity can be caused by a dirty flow cell.
VWD Detectors	Exchange lamp after 1000 hours	Low light intensity can be caused by a dirty flow cell.
Flow cell	Check cleanliness every 6 months	Low light intensity can be caused by a dirty flow cell.