



Maintenance recommendation for Neles™ valves, actuators and ND9000™ / NDX™ series valve controllers in green liquor plant process

Valves	Maintenance scope		
	Inspection	Minor maintenance	Major maintenance
Maintenance intervals	Every 2 years	Every 4 years	Every 6 years
Maintenance scope with required spare parts	Workshop inspection + spare part set	Workshop inspection + spare part set + seat & bearings	Workshop inspection + spare part set + seat & bearings + trim parts

Neles actuators	Maintenance scope	
	Inspection	Maintenance
Maintenance intervals	Every 4 years	Every 8 years
Maintenance scope with required spare parts	Workshop inspection + spare part set	Workshop inspection + spare part set + linkage assembly & cylinder

ND9000 / NDX valve controllers	Maintenance scope	
	Inspection	Maintenance
Maintenance intervals	Every 4 years	Every 8 years
Maintenance scope with required spare parts	Workshop inspection	Workshop inspection
NDX	Download and analyse diagnostics Calibrate, reset counters + prestage bottom filter and silencers	Download and analyse diagnostics Calibrate, reset counters + pneumatic set + silencers
ND9000	Download and analyse diagnostics Calibrate, reset counters	Download and analyse diagnostics Calibrate, reset counters + prestage unit + spool valve assy

During maintenance Valmet technicians check parts that are not mentioned here and replace damaged parts if possible. Valmet technicians also make recommendations for future inspection and maintenance. Device condition monitoring helps determine whether a particular valve needs attention. For example, if valve body has excessive wear and tear - check valve sizing.

Wearing out of devices:



Neldisc triple eccentric disc valve



V-port segment valve, series RA / RE



M / D series ball valve



Lever arm, diaphragm and sealing elements



Valve controller components



Valve controller components

Operational benefits:



Improved plant availability



Optimized performance



Ensured quality



Improved safety