



Globe valve maintenance recommendations for PSA units

Components	Elements	Recommended maintenance 3 years / 500 000 cycles	Recommended maintenance 6 years / 1 000 000 cycles
Valve Neles GU series	Spare part set (seat gasket, body gasket, packing rings, "C" soft seat)	Replace	Replace
	Plug set (plug, stem and plug pin)	Check*	Check*
Linear actuator Neles VDR series	Spare part set (part nos 3, 4, 5, 6, 7, 17 and 26a)	Replace	Replace
	Spring set	Check*	Check*
Valve controller Neles NDX series	Complete device	Download and analyze diagnostics, calibrate	Download and analyze diagnostics, calibrate
	Prestage bottom filter (compact)	Check*	Check*
	Exhaust adapters	Check*	Check*
	Pneumatic set	Check*	Check*
	Magnet and bracket	Check mounting	Check mounting
Solenoid valve	Complete device	Check*	Replace
Booster / quick exhaust valve	Complete device	Check*	Replace
Limit switch	Complete device	Check*	Check*
Air filter	Complete device	Replace	Replace

* Replace if needed (e.g. judging from diagnostics or visual check)

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. Positioner diagnostics help monitor valve condition and performance between outages as well as determine whether a particular valve needs attention. During outages, positioner diagnostics also contribute to the quality and effectiveness of maintenance with the aim of maximizing reliability, performance and valve lifetime.

Wearing out of devices:



Trim parts and sealing elements



Diaphragm and sealing elements



Sealing elements and cylinder

Operational benefits:



Improved plant availability



Optimized performance



Ensured quality



Improved safety