



Neles™ valve maintenance recommendation for molsieve dryer sequencing valves class 300, 600, 900

Regular on-line inspection	
Component	Action
Valve	Check for: External leakages, abnormal operation / noises, loose actuator mounting parts
Actuator	Check for: Air leakages, abnormal noises, instrumentation mounting parts
Controller	Download and analyse diagnostics, calibrate
Limit switch	Check for: Visual condition, internal humidity, cable gland

Maintenance		
Component	Element	Maintenance every 4 to 5 years
Valve	Closing element	Replace
	Trim parts	Replace
	Bearings (if applicable)	Replace
	Spare part set	Replace
Actuator	Cylinder	Check *
	Spring assembly	Check *
	Lever arm	Replace
	Spare part set	Replace
Controller	Neles NDX™	Download and analyse diagnostics Calibrate, reset counters + pneumatic set + silencers
	Neles ND9000™	Download and analyse diagnostics Calibrate, reset counters + Spool valve assembly + Check* Prestage unit
Limit switch	Complete device	Check *
Solenoid pilot valve	Complete device	Check *
Air filter	Complete device	Replace

* Replace if worn out

We recommend to keep at least one complete set of spare parts per valve size in stock for emergency repair

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.

Valve components:



Neles X-series ball valve



Neles B1C-series actuator

Operational benefits:



Improved plant availability



Optimized performance



Ensured quality



Improved safety