

Minimize plant risks

Following the valve manufacturer's maintenance recommendations ensures plant availability.

Jamesbury valve maintenance recommendations for PSA units

Components	Elements	Recommended maintenance 3 years / 750,000 cycles	Recommended maintenance 6 years / 1,500,000 cycles
Valve	Disc	Check	Check
	Shaft	Check	Check
	High cycle spare parts set (includes bearings, seat and seals)	Replace	Replace
	No-play coupling bolts	Replace	Replace
Actuator	Lever arm	Check	Replace
	High cycle spare parts set	Replace	Replace
	Spring assembly	Check	Replace after 4,500 kcycles
Valve controller, ND9000	Complete device	Calibration	Calibration, replace after 4,500 kcycles
	Spool valve	Replace	Replace
	Diaphragms set for model ND92XX	3 years and 6 years	Replace
	Prestage	No action	Check
	Position feedbacksystem (linear valves)	Replace	Replace
Valve controller, NDX	Complete device	Download and analyse diagnostics Calibrate reset counters	Download and analyse diagnostics Calibrate reset counters
	Prestage bottom filter	Replace	Replace
	Silencers	Replace	Replace
	Pneumatic set	No actions	Replace
Limit switch	Complete device	Check	Check
Solenoid valve	Complete device	Check	Replace
Booster / quick exhaust valve	Complete device	Check	Replace
Air filter	Complete device	Replace	Replace

Wearing out of devices:

Bearings and sealing elements



Lever arm, bearings and sealing elements



Valve controller components



Instrumentation components



Operational benefits:



Improved plant availability



Optimized performance



Ensured quality



Improved safety