



General maintenance recommendation for Flowrox™ pinch valves

Components	Elements	Recommended maintenance 3 years***
Valve	Sleeve	Replace
	Side bushings	Check*
	Upper pinch bar	Check*
	Lower pinch bar	Check*
Actuator, Pneumatic, Hydraulic	Sealing set	Replace
	Valve Center bushing	Check*
	Piston rod	Check*
	Complete cylinder	Check*
Actuator, Manual, Bevel gear	Stem	Check*
	Valve Center bushing	Check*
	Drive nut	Check*
	Complete actuator**	Check*
Positioner	Complete device	Download and analyse diagnostics Calibrate, reset counters See VMR016EN
Filter regulator	Complete device	Check*
Solenoid valve	Complete device	Check*
Limit switch	Complete device	Check*

*Replace if needed

** See manufacturer recommendations

*** Maintenance intervals may vary based the application.

Checkpoint	Check	Finding	Action
Body	Check for leakage in to the environment	Leakage	Change sleeve and make valve adjustment.
	Leakage or flow through the valve	Sleeve is not fully closed (insufficient squeeze)	Manual- Turn handwheel slightly until fully closed. Pneumatic-Hydraulic: Check supply pressure, Increase if needed. Perform sleeve adjustment.
Flange connection	Check for leakage	Leakage Pipeline and valve misalignment.	Tighten the flange connection bolts according to the recommended compression. Ensure that flanges are parallel and concentric to valve.
Manual and Bevel gear actuator	Smooth operation	Insufficient lubrication.	Lubricate valve and increase scheduled lubrication
Pneumatic and hydraulic actuator		Supply pressure low.Pneumatic and Hydraulic	Increase supply pressure Check and replace damaged seals
Valve	Does not open or close	Fault in actuator, limit switch or control system	Check and fix acuator operation

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.

Operational
benefits:



Improved
plant
availability



Optimized
performance



Ensured
quality



Improved
safety