

Minimize plant risks

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

Globe valve maintenance recommendation

General approach for plantwide maintenance cycles



	Maintenance scope		
	Performance check	Inspection	Major maintenance
Maintenance intervals*	1 - 6 months after start up, once process is stabilized	Every 2 - 5 years or 250 000 cycles	Every 5 - 10 years or 750 000 cycles
Maintenance scope with required spare parts	Check valve opening and any abnormalities such as noise, vibration or cavitation. - make new sizing if necessary - change trim parts if needed (capacity change, low noise & cavitation trims etc.)	Workshop inspection + spare part set	Workshop inspection + spare part set + trim parts
Varying intervals according to valve condition	If there are frequent start-up's and shut downs, check also valve in those conditions, not only stable process conditions. - make new sizing if necessary - change trim parts if needed (capacity change, low noise & cavitation trims etc.)	New inspection within 5 years if valve is in good condition, otherwise according to the intervals.	When major maintenance is performed only workshop inspection is needed in next 5 years. If valve is an obsolete model replacement can be considered instead major maintenance.

* The rules are defined for general valve service. It is considered generally accepted good operating practice to operate valves at least once per year to verify they function. For high cycle, fast stroke, corrosive, erosive duty and special applications ask Metso sales for consultancy.

Globe valve maintenance recommendations:



Operational benefits:



Improved plant availability



Optimized performance



Ensured quality



Improved safety

Minimize plant risks

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Linear actuator maintenance recommendation

General approach for plant wide maintenance cycle

VD-series pneumatic cylinder actuator maintenance recommendation	Maintenance scope	
	Inspection	Maintenance
Maintenance intervals*	Every 5 years	Every 10 years
Maintenance scope with required spare parts	Workshop inspection + spare part set	Workshop inspection + spring set + spare part set

VC-series pneumatic cylinder actuator maintenance recommendation	Maintenance scope	
	Inspection	Maintenance
Maintenance intervals*	Every 5 years or 500 000 cycles	Every 10 years or 1000 000 cycles
Maintenance scope with required spare parts	Workshop inspection + spare part set	Workshop inspection + spare part set + cylinder

* The rules are defined for general service. It is considered generally accepted good operating practice to operate actuators at least once per year to verify they function. For high cycle, fast stroke, corrosive, erosive duty and special applications ask Metso sales for consultancy.

Wearing out of devices:



Operational benefits:



Improved plant availability



Optimized performance



Ensured quality



Improved safety