



Mapag™ 3 lever BH valve maintenance recommendation for Molecular sieve units

Component	Element	Non retrofitted valves or valves sold before 2016		Retrofitted valves or valves sold from 2016 every TAR (5,6 years)
		every 3 years	every TAR (5,6 years)	
Valve	Seat	Check *)	N/A	N/A
	Bearings, seals	Replace	N/A	N/A
	Seat, Bearings, Seals	N/A	Replace	Replace
	Shaft	Check *	Check *	Check *
	Disc	Check *	Check *	Check *
	Levers	Check *	Check *	Check *
Actuator F1 serie	Bearings, seals, Keilpack	N/A	Replace	Replace
	Housing,Cylinder	N/A	Check *	Check *
	Pistons	N/A	Check *	Check *
	Shaft connection	N/A	Check *	Check *
Actuator B1 serie	Soft parts	N/A	Replace	Replace
	Housing,Cylinder	N/A	Check *)	Check *
	Leverage assembly	N/A	Replace every 2nd TAR	Replace every 2nd TAR
Solenoid pilot valve	Complete device	Check *	Check *	Check *
Limit switch	Complete device	Check *	Check *	Check *
Air Filter	Complete device	Check *	Replace	Replace

Design improvement BH-valves (retrofit and valve sold from 2016):

Corrosion protection (stainless steel / coated parts), higher grade bearings (DU-B) and pins (XM-19) and bearing / shaft sealing protection.

Service interval for retrofitted and new valves is 6 years.

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.

* Replace if needed

Valve components:



Bearings and sealing elements



Bearings and sealing elements



Instrumentation components

Operational benefits:



Improved plant availability



Optimized performance



Ensured quality



Improved safety