

# Smart Device Check

In order to improve process performance and avoid unexpected incidents it is vital to know the condition of your valves.

Smart Device Check reveals under performing valves by prioritizing them according to their performance measures.

A challenge in maintenance planning is to focus maintenance actions on devices needing adjustment or repair and avoid unnecessary maintenance of devices in good health.

Smart Device Check helps in device selection for maintenance by revealing the worst behaving devices. The known condition creates the foundation for efficient maintenance planning and action prioritization. The analysis is based on the diagnostics data uploaded from your smart devices.

Smart Device Check is a batch analysis of diagnostics data collected by Metso's digital valve controllers. The service consists of three phases: data collection, analysis



and reporting. The analysis includes verifying device configurations, review of alarm statuses and performance analysis.

As a result Smart Device Check provides prioritized lists of devices sorted according to their actual performance.

## Most moving valves (Top10)

TAG	SETPOINT COUNTERS			VALVE COUNTERS		
	Revelsals 5 000 000	rev/h 200	Travel 250 000	Revelsals 5 000 000	rev/h 200	Travel 500 000
E15V047	7 593 014	429	327 760	7 654 431	432	339 375
E15V044	6 790 442	384	132 881	7 089 295	401	144 769
F20V120	4 897 027	293	125 894	4 510 029	270	122 732
F10V051	2 903 513	175	23 199	3 509 976	212	28 962
F23V003	61 360	29	906	427 992	203	4 740
E15V033	3 752 250	218	45 012	3 231 827	188	28 042
F22V010	200 909	12	6 158	3 102 542	185	31 148
F19V040	2 824 575	162	92 352	2 977 333	171	95 253
F23V00	2 670 188	167	144 089	2 649 460	166	145 193
F23V1058	2 365 704	147	94 086	2 214 509	138	91 392

## Benefits

- Easy and cost-effective way to start with predictive maintenance
- Focuses maintenance actions to the right devices needing attention
- Improves process performance
- Maintenance cost savings with optimized actions

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