Mach™ Flushometer
Maintenance Guide

THE BOLD LOOK OF KOHLER.

PROLONG THE LIFE OF YOUR PRODUCTS

Mach™ flushometers are designed to deliver consistent performance and accurate discharge across a full range of incoming water pressures. They are tested to 3x the industry standard to assure quality and durability in a commercial environment, but the life of the flushometer can be affected by many things, like water quality, chemicals, usage rates, abuse and others. To assure your product is performing to their highest levels, it is important to use KOHLER Genuine Parts and follow our recommended routine preventative maintenance schedule as detailed.

Mach Manual
FLUSHOMETER SCHEDULE

	URINAL SERVICE PART NUMBER	TOILET SERVICE PART NUMBER	WHAT TO INSPECT	MAINTENANCE DETAIL	RECOMMENDED MAINTENANCE SCHEDULE (Years*)		
					3	6	9+
 Handle Assembly	K-1287291**	K-1287291**	• Handle Looseness • Leaking from handle	See Lever/Push Button Maintenance Illustration on last page.	I	R	I
 Piston	K-1287623 (0.125 GPF) K-1287624 (0.5 GPF) K-1287625 (1.0 GPF)	K-1287620 (1.0 GPF) K-1287621 (1.28 GPF) K-1287622 (1.6 GPF)	• Flush Length (too long or too short) • Mineral build up in or on position • Severe material wear on piston	See Piston Maintenance Illustration on last page.	I	R	I
 Vacuum Breaker	K-1299067	K-1299067	• Leaking from vacuum breaker • Mineral build up on vacuum breaker or inside of tailpiece.	Rinse with clean water and wipe with a clean rag to remove any buildup.	I	R	I
 Stop Valve Assembly	K-1286777**	K-1286778**	• Incomplete shut-off of water			I	R

Mach Wave & Mach Tripoint® Touchless
FLUSHOMETER SCHEDULE

	URINAL SERVICE PART NUMBER	TOILET SERVICE PART NUMBER	WHAT TO INSPECT	MAINTENANCE DETAIL	RECOMMENDED MAINTENANCE SCHEDULE (Years*)		
					3	6	9+
 Push Button Assembly	K-1287298**	K-1287298**	• Loose handle • Leaking from handle	See Lever/Push Button Maintenance Illustration on last page.		I	R
 Piston	K-1287623 (0.125 GPF) K-1287624 (0.5 GPF) K-1287625 (1.0 GPF)	K-1287620 (1.0 GPF) K-1287621 (1.28 GPF) K-1287622 (1.6 GPF)	• Flush Length (too long or too short) • Mineral build up in or on position • Severe material wear on piston	See Piston Maintenance Illustration on last page.	I	R	I
 Vacuum Breaker	K-1299067	K-1299067	• Leaking from vacuum breaker • Mineral build up on vacuum breaker or inside of tailpiece.	Rinse with clean water and wipe with a clean rag to remove any buildup.	I	R	I
 Stop Valve Assembly	K-1286777**	K-1286778**	• Incomplete shut-off of water			I	R
 AA Batteries	K-1080045	K-1080045			R	R	R
 Piston Cover Assembly	K-1388290 (0.125 GPF) K-1388291 (0.5 GPF) K-1388292 (1.0 GPF)	K-1388293 (1.0 GPF) K-1388294 (1.28 GPF) K-1388295 (1.6 GPF)				R	R

* I = Inspect & R = Replace
Recommended maintenance schedule is based on average use, which is defined as 4,000 cycles per month with clean water. Clean water conforms to the EPA's Secondary Standard for Drinking Water. Maintenance schedule should be adjusted to 6/12 month checks if any of the indicators below are experienced:

- Discolored components (ex: Red, orange, white, etc)
- Heavy mineral buildup on valve components
- Significant wear early in product life (piston or handle assembly)
- Premature failures
- Product damage

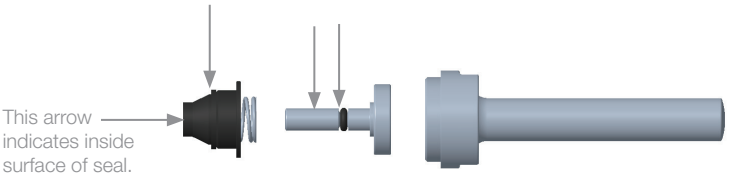
If the product is installed in an environment that experiences intermittent use, please see detail on last page

**Please order for the desired finish.

Maintenance Illustrations

LEVER/PUSH BUTTON

1) Remove lever/push button.
2) Apply lubrication to the surfaces indicated by the arrows in the illustration on the right.
3) Re-install lever/push button.



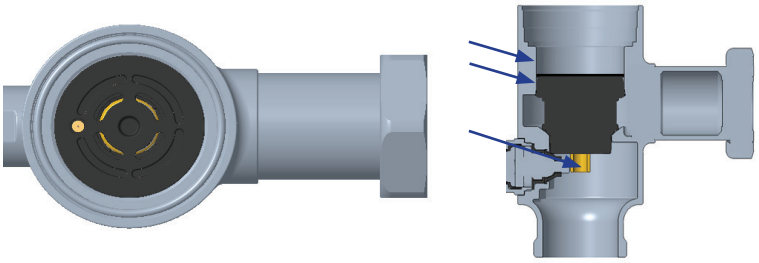
PISTON

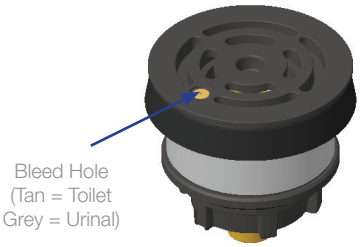
1) Remove set screw. Remove cap, valve nut, and piston cover to expose the piston.

2) Check areas indicated by the arrows below for mineral build up and wear.

3) Check piston bleed hole for clogs or mineral buildup. If clogs/ build up are present, rinse piston with clean water and clean bleed hole directly with compressed air.

When reinserting piston into flushometer, lubricate the inside of the valve body. Use DC-111 silicone grease. DO NOT USE PETROLEUM BASED LUBRICANTS. Re-attach piston cover, valve nut, and cap. Lock with set screw.





Intermittent Use

If the flushometer experiences any of the periodic use scenarios detailed below, maintenance should be performed so debris/minerals from the water lines do not affect the performance of the flushometer.

PERIODIC USE SCENARIO	REQUIRED MAINTENANCE
Idle for long periods of time (>5 days)	1. Piston assembly maintenance • Remove the piston assembly and rinse with clean water and clean bleed hole directly with compressed air • When reinserting piston into flushometer, lubricate the inside of the valve body. Use DC-111 silicone grease. DO NOT USE PETROLEUM BASED LUBRICANTS. • Re-attach piston cover, valve nut, and cap. Lock with set screw. 2. Vacuum breaker maintenance • Remove the vacuum breaker, rinse with clean water, and wipe clean if necessary. • Re-attach vacuum breaker
Water supply is shut off for more than 6 hours	
Flushometer is exposed to freezing conditions.	1. Turn off the water supply. 2. Drain water lines. 3. Remove piston and store in a location >32 °F (0 °C) to prevent components from freezing.