

## Hydro-Guard Flushing & Monitoring Systems

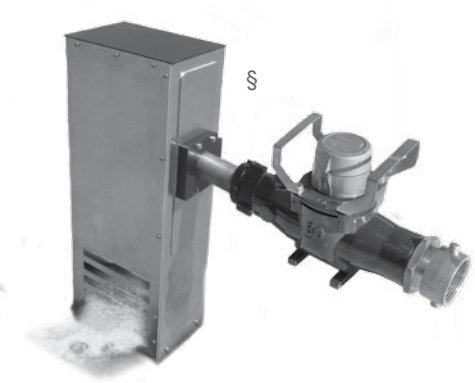
Hydro-Guard automatic flushing and monitoring systems are used by utilities throughout North America to maintain water quality throughout their distribution systems. These systems can be programmed to flush on a scheduled sequence and to monitor a variety of water quality conditions, including chlorine residuals, temperature, pH, flow, turbidity, and pressure.

In areas within the distribution system where it is difficult to maintain an acceptable level of disinfectant residual, or where taste, color or odor issues are leading to customer complaints, Mueller Co. provides automated flushing and water quality sampling solutions. The Hydro-Guard system can be programmed to flush a line and monitor water quality conditions in distribution piping. When conditions warrant, the device automatically initiates flushing and helps a utility to comply with USEPA Safe Drinking Water Standards. This system conserves water, reduces chlorine consumption, and improves customer satisfaction, while requiring minimal supervision by utility personnel.

- By maintaining water quality with a higher degree of consistency, Hydro-Guard helps utilities reduce complaints, improve compliance and lower operating costs.

Since pressure management in pipe networks is fundamental to providing safe drinking water, Mueller Co. provides a user-friendly and cost-effective technology to continuously monitor pressure in potable water distribution systems. The pressure monitoring system, typically installed in DMAs or pressure zones; on PRVs; system interconnects; and water storage tanks, reports at user-defined intervals via cellular service. Data is logged; made available for periodic upload; and stored for up to two years on a secure web server. When a pressure spike occurs, utility personnel can be notified within minutes by email and text messaging. This technology is currently available in North America only.

- By monitoring pressure, infrastructure failures can be avoided, non-revenue water can be reduced, energy costs can be reduced and public safety is improved.



HG-6 Portable Flushing System

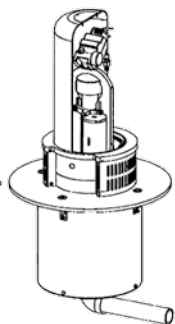


HG-3 Permanent Flushing System



Remote Pressure Monitoring System

## Part Numbering Example



### Item Description:

Hydro-Guard® HG-1 utilizes a 12" air gap to prevent backflow. According to the associated part number, this device is to have 2" piping and valve; be constructed of Schedule 80 PVC; have an 18" bury depth; and be housed in a low-profile, above grade, light green enclosure.

HG1AIN2PVC018LPLG						
HG1	A	IN	2	PVC	018	LPLG
HG-1 Atmospheric Discharge	Air Gap Backflow	Built-in (NODE) Programmer	2" Inlet Valve	PVC Pipe Material	18" Bury Depth	Low Profile, Light Green