Shaded area indicates change Rev. 2-16

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 interconnnects; 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.





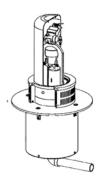


HG-6 Portable Flushing System

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

Components in contact with potable water will also comply with latest requirements of the Federal Safe Drinking Water Act.



HYDRO-GUARD® TEMPORARY (PORTABLE) FLUSHING SYSTEMS

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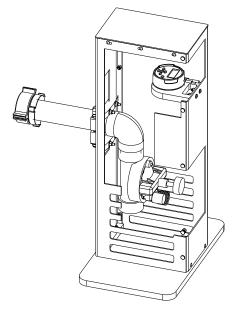
Hydro-Guard Temporary (Portable) Flushing Systems

The Hydro-Guard Portable Automatic Flushing System takes automatic and programmable flushing capabilities anywhere in the water distribution system where a fire hydrant is available. The HG-6 is portable and adjustable. Its lightweight design gives it portability. The device's integrated height adjustment allows it to match up to most hydrant heights on any brand of hydrant. And its flushing capabilities are identical to that offered by semi-permanent / permanent Hydro-Guard products.

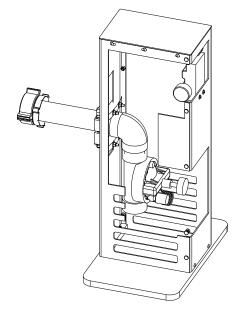
The APP-based KR-BL Bluetooth controller allows operators to manage Hydro-Guard® Flushing Systems from up to 25-feet away (line of sight, no obstructions). The user-friendly KR-BL programming solution is now available with any model of Hydro-Guard. When placing your Hydro-Guard order, use option code BL in the Programming section of the order form to select the KR-BL Bluetooth option. Also, Mueller Co. offers a KR-BL retrofit kit for use with all existing Hydro-Guard flushing systems. To order a retrofit kit please use one of the following part numbers (Hydro-Guard model is required; bury depth required for cold climate models).

- ☐ HG-6 with KR-BL BlueTooth (BL) programming: up to 24 different flush events managed from up to 25-feet away by BlueTooth. No need to exit the vehicle to set or modify programming (powered by one 9-volt Alkaline battery with the option to add a second battery for longer battery life)
- HG-6 with Built-in (NODE) programming: multi-event integrated programmer (powered by one 9-volt Alkaline battery with the option to add a second battery for longer battery life)
- HG-6 with Removable (T-2/TBOS-II handheld) programming: programming managed by removable multi-event handheld programmer purchased separately, but usable on multiple Hydro-Guard units (powered by 9-volt Lithium battery)
- □ 20psi to 150psi recommended operating pressure*
- Easy access to mounted programmer (or port for handheld)

- Adjustable mounting connection to accommodate varied hydrant heights with swivel adapter
- Durable, powder-coated heavy-gauge stainless steel construction**
- □ Self-supporting, free-standing design (device does not hang on hydrant
- ☐ 2" glass reinforced adjustable Nylon control valve
- ☐ Sampling Valve (operational with unit on or off)
- □ Splash plate for erosion control reduces potential for ground erosion from under hydrant
- □ 2.5 inch NTP hydrant swivel adapter
- □ 8-tablet dechlorination dispenser
- Security Kit (1 set included with purchase)
- Air Gap to prevent backflow of water into water main
- □ Certified to NSF/ANSI 372



HG-6 with Built-in (NODE) Programmer



HG-6 with Removable (Handheld required) Programmer

^{*} Where line pressure exceeds 110psi use of a PRV is recommended

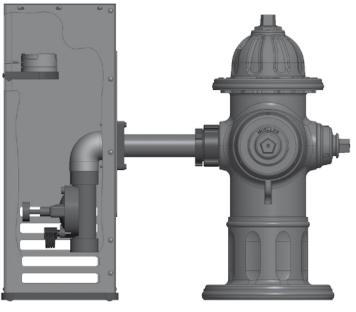
^{**} Paint is optional

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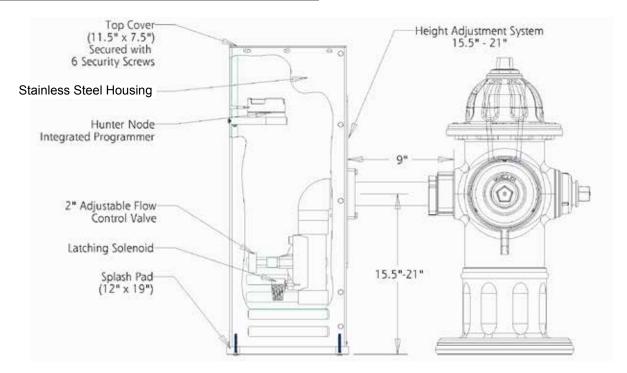
Ordering Guide

To order a Hydro-Guard automatic flushing and monitoring system, simply choose the desired options from the chart below and contact your Mueller Sales Representative for pricing. ■ indicates option is included with the unit.

Hydro-Guard (Hydrant Mount)		HG6 = Hydrant Mount / Discharges to Ground	
Backflow Prevention		A = Air Gap	
		IN = Built-In (NODE)	
Programming		BL = BlueTooth Style Controller (KR-BL) Standard Equipment	
		RM = Removavle (T-2) ⁵	
		SM = SMART Controller Upgrade ⁶	
Valve/Inlet Size		2 = 2" Valve & Piping	
		BRN = No Lead Brass Piping (includes Dechlor and Sampling)	
Pipe Material		PVC = Brass Connection with Schedule 80 PVC Piping ⁴ ; Dechlor and Sampling are not included	
Bury Depth		000 = None / Hydrant Mount	
		LPUN = Unpainted 4	
Enclosure Type		LPRR = Red	
		LPYY = Yellow	



HG-6 Flushing System



- 4 Unpainted enclosures are only available with Hydrant Flushing models that are equipped with Schedule 80 PVC piping and do not require dechlorination system.
- 5 Where an "RM" code is indicated for controller type a handheld controller will be required. The handheld controller (PN: 545687) is sold separately. One handheld controller can be used to manage programming on an unlimited number of "RM" equipped flushing systems.
- 6 Where an "SM" code is indicated for controller type a SMART Multi-Parameter Monitoring and Flushing Controller will be utilized. As of this date, the SMART Multi-Parameter Controller will monitor for up to three water quality parameters (analyzers sold separately) including chlorine, temperature, pH, pressure and turbidity.



HYDRO-GUARD® PERMANENT FLUSHING SYSTEMS

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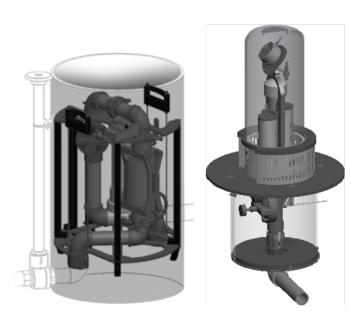
Hydro-Guard Permanent Flushing Systems

Hydro-Guard Permanent Flushing Systems provide a fully automated solution for flushing water distribution lines. The units can be designed to operate reliably in warm and cold climates. Designed for use with a built-in (NODE) multi-event programmer, Hydro-Guard systems are programmed to flush a water line multiple times per day, seven days a week, with flush durations ranging from one minute to six hours per program. Water can be discharged atmospherically onto the system's splash plate or direct into a sewer system.

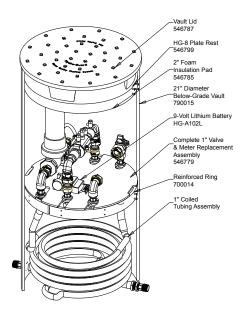
Standard Features:

- Programming managed by the KR-BL BlueTooth (BL) controller: up to 24 different flush events managed from up to 25-feet away by BlueTooth. No need to exit the vehicle to set or modify programming (powered by one 9-volt Alkaline battery with the option to add a second battery for longer battery life)
- Programming managed by a multi-event battery powered handheld programmer (9-volt Alkaline battery)
- Battery and programming interface accessible from top of unit (9-volt Lithium)
- 20psi to 150psi recommended operating pressure (valve rated to 200psi) (for pressures in excess of 110psi the use of a PRV is recommended).
- □ Free standing design
- Lockable, polyethylene housing provides durability,
 UV and impact resistance

- Cold climate units feature a patented freeze protection system features a self-draining dual check valve
- The HG-1 & HG-3 feature an energy dissipating stainless steel shield and integral heavy-duty UV protected splash plate (est. 135 gpm).
- OEM-installed Dechlorination System (8-tablet capacity)
- OEM-installed Sampling System (allows sample collection with unit on or off)
- ☐ Security Kit (1 set included with purchase)
- ☐ HG-3 & HG-4 Cold climate units feature a patented Cam-Lock[™] Release System
- HG-8 Cold climate & HG-8 Warm climate devices are below grade designs with only a lid at grade
- Certified to NSF/ANSI 372







HG-8 Warm Climate HG-1 HG-3 HG-8 Cold Climate

HYDRO-GUARD® PERMANENT FLUSHING SYSTEMS ORDERING INSTRUCTIONS



16.5

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Ordering Instructions

To order a Hydro-Guard automatic flushing and monitoring system, simply choose the desired options from the chart below and contact your Mueller Sales Representative for pricing. ■ indicates option is included with the unit.

WARM CLIMATES					
Hydro-Guard W	ARM (Climate (without freeze protection)			
		HG1 = On the Ground ⁸			
		HG2 = Direct Discharge			
Discharge		HG8 = Direct Discharge - Flushing System Below Grade; Direct Flush to Storm Sewer, Pond or Swale ⁷			
		A = Air Gap			
Backflow Prevention		D = Double Check ¹			
		R = RPZ ¹			
		IN = Built-In (NODE)			
Programming		BL = BlueTooth Style Controller (KR-BL) Standard Equipment			
		RM = Removable (T-2) ⁵			
		SM = SMART Controller Upgrade ⁶			
Inlet Size		2 = 2"			
Dine Meterial		PVC = Schedule 80 PVC			
Pipe Material		BRN = No Lead Brass			
		000 = None			
Bury Depth		018 = 18" (HG-1 & HG-2 only)			
Bury Deptii		036 = 36" (HG-8 WC only)			
		042 = 42" (HG-8 WC only)			
		LPLG = Low Profile, Green			
Enclosure Type		HPLG = High Profile, Green			
Life type		HPTN = High Profile, Tan			
		UNGD = (only available for HG-8)			

COLD CLIMATES					
Hydro-Guard C	OLD	Climate (with freeze protection)			
		HG3 = Flush onto Ground ⁷			
Disabassa		HG4 = Direct Flush to Storm Sewer, Pond or Swale ⁷			
Discharge		HG8 = Flushing System Below Grade; Direct Flush to Storm Sewer, Pond or Swale ⁷			
Backflow Prevention		A = Air Gap			
Backflow Prevention		D = Double Check ¹			
		BL = BlueTooth Style Controller (KR-BL) Standard Equipment			
Programming		RM = Removable (T-2) ⁵			
		SM = SMART Controller Upgrade ⁶			
Inlet Size		1 = 1" (only available for HG-8)			
illiet Size		2 = 2"			
Pipe Material		PVC = Schedule 80 PVC			
Pipe Material		BRN = No Lead Brass			
		018 = 18"			
		036 = 36"			
Rury Donth		048 = 48"			
Bury Depth		060 = 60"			
		084 = 84"			
		108 = 108"			
Englosuro Typo		LPLG = Low Profile, Green			
Enclosure Type		UNGD = None ^{2, 3}			

Optional Equipment					
545687		TBOS II handheld			
-TCV		Option TCV freeze protection ⁸			

HSZ0060010/HG-A134	HG-5 Hydrant Defender with HG-6 lock (red)
HSZ0060014/HG-A134	HG-5 Hydrant Defender with HG-6 lock (yellow)

- 1 Double Check or RPZ backflow prevention is only offered on devices with an 18" bury depth and low profile enclosure, with the exception of any device that is constructed using a Below Grade enclosure (I.E. HG-8 Warm Climate)
- 2 HG-8 cold climate is only available with 1" poly-coil tubing and brass fittings
- 3 Minimum bury depth for HG-8 cold climate flushing system with no above-grade enclosure is estimated to be 48"
- 5 Where an "RM" code is indicated for controller type a handheld controller will be required. The handheld controller (PN: 545687) is sold separately. One handheld controller can be used to manage programming on an unlimited number of "RM" equipped flushing systems.
- 6 Where an "SM" code is indicated for controller type a SMART Multi-Parameter Monitoring and Flushing Controller will be utilized. The SMART Multi-Parameter Controller will monitor for up to five water quality parameters (analyzers sold separately) including chlorine, temperature, pH, pressure and turbidity
- 7 For cold climates the Low Pressure Relief Valve / Double Check freeze protection system is utilized to prevent freeze damage. When the flushing system ceases to flush the water in the service lines of the device are drained of water to reduce the possibility of freeze damage.
- 8 TVC freeze protection is only available on the HG-11Basic/S [HG1A--2---000LPLG] and HG-2 style devices.



HYDRO-GUARD® S.M.A.R.T. FLUSH MANAGEMENT OPTIONS

Rev. 12-16 Shaded area indicates changes

Hydro-Guard S.M.A.R.T. Flush Management Options

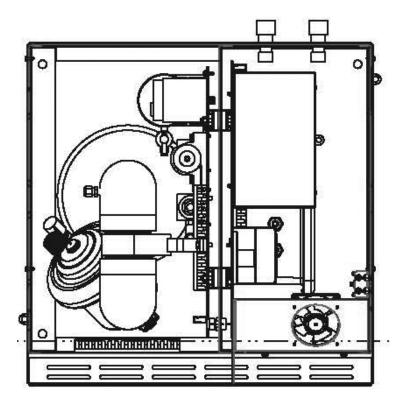
The Hydro-Guard S.M.A.R.T. Flushing System is the ultimate automated flush management system. S.M.A.R.T. enabled flushing can be set to occur either by scheduled flush times or in response to real-time analysis of local water quality. What's more it allows two-way communication and remote flush and water quality management via either a secure web portal or a secure interface with end-user's existing SCADA via MODBUS TCP protocol.

By way of this two-way communication, the utility can receive near-time updates from each Hydro-Guard Unit in the distribution system equipped with the S.M.A.R.T. controller. It can be integrated with a residual analyzer and a variety of other water quality management devices. This integration will allow the Hydro-Guard S.M.A.R.T. Flushing System to flush only when the disinfectant residual drops below the parameters established by the end-user, as opposed to flushing on a set time based schedule. S.M.A.R.T. technology takes water conservation and cost management to a whole new level of potential savings.

- □ Hydro-Guard S.M.A.R.T. Controller
- Hydro-Guard S.M.A.R.T. Management RTU with Ethernet
 - Premium grade analyzers and sensors
- Web-based two way management software
- MODBUS TCP for SCADA integration
- Monitor multiple water quality parameters (chlorine, temperature, pH, turbidity, etc.)

- System management assisted by remote telemetry
- Premium grade protective enclosure with optional tamper notification
- Weather-proof protective enclosure
- Hydro-Guard Flushing System (model to be determined through client/Hydro-Guard consultation)





S.M.A.R.T. Flushing System



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Ordering Instructions

To order a Hydro-Guard automatic flushing and monitoring system, simply choose the desired options from the chart below and contact your Mueller Sales Representative for pricing. ■ indicates option is included with the unit.

STEP 1 - SELECT MODEL			
Selection	Code	Special Instructions	Select One
S.M.A.R.T. Controller	SM ⁶	-	
STEP 2 - SELECT CHLORI	NE ANALYZ	ER	
Total Chlorine/ Mueller Specified	TC	-	
Free Chlorine/ Mueller Specified	FC	-	
STEP 3 - SELECT RADIO (COMMUNICA	ATION OPTION	
Cellular Radio (GSM)	G	-	
Cellular Radio (CDMA)	Α	-	
Ethernet Radio	ET	-	
Bluetooth Radio	ВТ	Can be added to other Radio options	
Wireless LAN Wifi	WF	-	
2.4 gHz / End User Spec	24	-	
STEP 4 - SELECT ANTENN	NA OPTION		
Low Profile	L	-	
Boom Antenna (Responsibility of End User)	U	-	
No Antenna Required	N	-	
STEP 5 - SELECT BACKFL	OW OPTIO	N	
Air Gap	AG	-	
Double Check Valve 1	DC	-	
Reduced Pressure Zone (RPZ) ¹	RZ	-	
STEP 5 - SELECT ENCLOS	SURE / HOU	SING	
Ground Mount 33" Height	G3	-	
Ground Mount 60" Height	G6	-	
STEP 6 - SELECT POWER	SOURCE		
120 - Volt AC	AC	-	

STEP 7 - SELECT FREEZE PROTECTION						
Selection	Code	Special Instructions	Select One			
Heater	FH	-				
Heater + Heat Tape	FT	-				
No Heater Required	NF	-				
STEP 8 - SELECT SYSTEM	M SECURITY					
Tamper Switch	Т	-				
Flow Detection Sensor	F	-				
Manual On/Off Switch	М	-				
No Security Option Required	N	-				
STEP 9 - SELECT WATER	QUALITY M	ONITORING SENS	ORS			
Chlorine Analyzer	CL	-				
pH Sensor	PH	-				
Turbidity Sensor	TU	-				
Control Valve with PRV	PV					
Flow Meter / Control Valve Combo**	FM	-				
Temperature Sensor	TP	Reports: GPM/ Total				
TOC Sensor	TC	-				
Pressure	PS	-				
STEP 10 - SELECT HYDRO-	GUARD FLUS	SHING DEVICE (RE	QUIRED)			
HG-6 S.M.A.R.T.	HG6B	B = Brass	□ Brass			
HG-7 All-in-One Enclosure	HG7A	B = Brass, P = PVC	□ Brass □ SCH80 PVC			
HG-7 All-in-One Enclosure	HG7D	B = Brass, P = PVC	□ Brass □ SCH80 PVC			

^{1 -} Double Check or RPZ backflow prevention is only offered on devices with an 18" bury depth and low profile enclosure, with the exception of any device that is constructed using a Below Grade enclosure.

^{6 -} Where an "SM" code is indicated for controller type a SMART Multi-Parameter Monitoring and Flushing Controller will be utilized. The SMART Multi-Parameter Controller will monitor for up to five water quality parameters (analyzers sold separately) including chlorine, temperature, pH, pressure and turbidity.



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Hydro-Guard Sampling Stations

The Hydro-Guard Blow-Off Sampling Station (B.O.S.S.) provides a reliable and user-friendly method for taking water quality samples from a utility's own water distribution line. Using a permanent, dedicated sampling point allows utility personnel to access sample locations at their convenience—no appointment necessary. Hydro-Guard Sampling Stations are for use in warm or cold climates, with a variety of freeze protection options available for the protection of these devices in even the coldest of climates.

Above Ground Solutions

Standard Features:

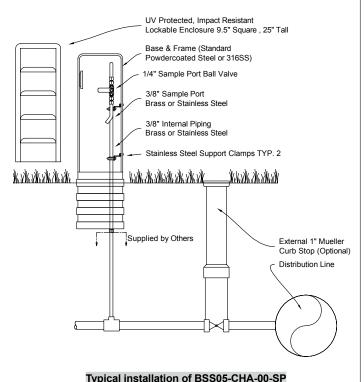
- Bury depths of 12" to 72"
- No lead brass or stainless steel piping components
- Free standing, selfsupporting needs no additional pad or post
- Self-locking enclosure
- □ HDPE or Powder-coated aluminum, lockable support frame with powder-coating for corrosion resistance

Optional Features:

- Mechanical thermal control valve freeze protection
- Internal curb stop and drain freeze protection
- Internal curb stop with VAC line freeze protection



B.O.S.S. BSS-02 Sample Station with TCV style freeze protection



Cold Climate Sample Station

Below Ground Solutions

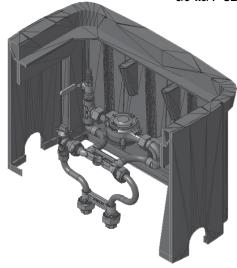
Standard Features:

- Incorporated into Mueller Relocator with horizontal inlet and outlet
- M.I.P. meter thread used to retrofit dual check with sampling into existing meter set
- Available for use with 5/8"; 5/8" x
 3/4"; 3/4"; and 1" meter setters
- Sampling wand (sold separately)
- Easy access
- No above grade housing to maintain
- Sanitary cap included for protection of sample quick connect at meter setter
- No lead brass or stainless steel quick connect valve for sure-fit connection of sample wand and sample point
- No valve to open at meter setter connection
- Wand constructed of 3/8" stainless steel tubing with a ball valve

Sampling Wand: 547800 (for use with all samplers & relocators)



5/8" x 3/4" Relocator: 203H1445 --- 02N (for use with 5/8"x3/4" SEAERS)



Typical installation of below ground solution



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Ordering Instructions

To order a Hydro-Guard automatic flushing and monitoring system, simply choose the desired options from the chart below and contact your Mueller Sales Representative for pricing. ■ indicates option is included with the unit.

Above Ground Sample Stations

STEP 1 - SELECT MODI	EL .	
Туре	Code	Select One
Blow-Off Sampling Station	BSS	
STEP 2 - SELECT BLOW OFF SIZE		
No Blow Off Valve Included (DIV or CHA)	05	
1" Blow Off Valve Included (DIV or CHA)	01	
2" Blow Off Valve Included (CHA)	02	
2" Blow Off Valve - Removeable Internals	04	
NOTE: 1" Station CHA Enclosure Option		
STEP 3 - SELECT BURY DEPTH****		
12" (standard)	12	
36"	36	
54"	54	
60"	60	
72"	72	
84" (BSS-04 only)	84	
108" (BSS-04 only)	108	
STEP 4 - ENCLOSURE & COLOR		
CHA Enclosures for 1" Models (BSS-01)		
Blue	CHABL	
Light Green	CHALG	
Dark Green	CHADG	
CHA Enclosures for 2" Models (BSS-02)	_	<u>'</u>
Blue	CHABL	
Light Green	CHALG	
Dark Green	CHADG	
CHA Enclosures for 2" Models (BSS-04)	•	•
Light Green	CHA04	
MUE Heavy Gauge Aluminum Powder Coated (BSS-01 & BSS-02)	l Enclosure:	s
Dark Green 1"	MUDG1	
Water Blue 1"	MUWB1	
Brown 1"	MUBR1	
Purple 1"	MURP1	
Dark Green 2"	MUDG2	
Water Blue 2"	MUWB2	
Brown 2"	MUBR2	
Purple 2"	MUPR2	
Custom Sizes	Call	

^{** 316} Stainless Steel frame for SGE070739CHA16 or SGE101042CHA16 Enclosures

**** The BSS-04 is only available in bury depths of 36" and greater.

All products can be custom built to meet the utilities specifications.

STEP 5 - SELECT FREEZE PROTECTION		
Туре	Code	Select One
No Freeze Protection	000	
Vacuum Port for Manual Vacuum *	VAC	
Thermal Control Valve - Auto Discharge of Water	TCV	
Curb Stop that can be shut off after use	CSR	
Curb Stop that drains after shut off	CSD	
Vacuum Port for Manual Vacuum with Curb Stop	VCS	
STEP 5 - SELECT INTERNAL COMPONENTS		
Low Lead Brass Component Construction	NL	
Stainless Steel Interior Component Construction 12"	SS	
Stainless Steel Interior Component Construction 36"	SS	
Stainless Steel Interior Component Construction 54"	SS	
Stainless Steel Interior Component Construction 60"	SS	
Stainless Steel Interior Component Construction 72"	SS	
PVC Blow Off Valve with Sampling Station	-	
STEP 6 - SELECT ENCLOSURE SUPPORT FR	AME	
Standard Powder-Coated Steel	00	
316 Stainless Steel **	16	

Below Ground Sample Stations					
Code Size Select One					
203H144502N	5/8"x3/4"				
-	5/8"				
-	3/4"				
-	1"				
547800	Universal sampling wand				

OPTIONS								
Item	Used On	Code						
TD Key	All DIV	HG-A2006						
Hex/Shoulder Bolt Key	All CHA	HG-A2023						
Curb Stop Key	CSR, CSD, VCS	HG-20087						
ID Tag ***	Any Model	HG-20033						
Vacuum Pump	VAC & VCS	HG-A107						
2" MPT x 2.5" NST	2" BSS	HG-29011						
Cyber Lock Key	All CHA	HG-A2008						

^{*** 3} lines and 25 characters per line



HYDRO-GUARD® MONITORING SYSTEM

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Hydro-Guard® Monitoring System

Hydro-Guard Remote Pressure Monitoring System is engineered to be deployed anywhere in a distribution system that has cell phone service. It can be installed by way of a saddle or direct tap into the distribution main or at the meter vault. The system includes a Lithium battery and 1-year of cellualr service with a renewable annual contract.

- ☐ Monitors pressure from a single installation point
- Flexible installation Can be installed anywhere in the distribution system
- Data transmitted via celluar service No need to deploy personnel to read devices
- Standard Mode: Readings taken every 15 seconds, logged and made available for periodic uploads
- Transient Mode: When scheduled, device will monitor up to 256 readings per second.
- □ Information stored on secure, cloud-based servers No software to purchase
- ☐ GIS map interface via any web browser User-friendly and intuitive







Meter Vault Installation

HYDRO-GUARD® MONITORING SYSTEM ORDERING GUIDE



16.11

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Ordering Guide

Below is a simplified ordering guide to help select the options available. Please contact your Mueller sales representative for additional details and assistance.

STEP 1 - SELECT MODEL				
Selection		Code	Other	Select One
Pressure Monitoring System for installation in Vault or on Tank		IWT1	100 m	
Pressure Monitoring Sytem f	or Installation in Roadway	IWT2	J	
STEP 2 - SELECT TYPE of	CELLULAR SERVICE			
GSM (AT&T)		G	-	
CDMA (Verizon)		С	-	
STEP 3 - SELECT CORPOR	RATIONSTOP			
IWT1 - No Corp. Included		NC	None	
IWT2 - Mueller 300 Ball Corp	Included	45	3/4"	
STEP 4 - SELECT SERVICE	SADDLE			
IWT1 - No Saddle Included		NOSADDLE	None	
BR2B (3/4" cc)	BR2B0474	4.74 - 5.32	-	
, ,	BR2B0684	6.84 - 7.45	-	
	BR2B0899	8.99 - 9.67	-	
For use on	BR2B1104	11.04 - 12.12	-	
Ductile / Cast Iron	BR2B1314	13.14 - 14.58	-	
	BR2B1522	15.22 - 16.88	-	
	BR2B1732	17.32 - 19.19	-	
BR2S (3/4" cc)	BR2S0474	4.74 - 5.32	-	
	BR2S0684	6.84 - 7.45	-	
	BR2S0899	8.99 - 9.67	-	
For use on A-C,	BR2S1104	11.04 - 12.12	-	
Cast Iron, & Ductile	BR2S1314	13.14 - 14.58	-	
	BR2S1522	15.22 - 16.88	-	
,	BR2S1732	17.32 - 19.19	-	
BR2W (3/4" cc)	BR2W1800	18.00 - 19.50	-	
For use on A-C,	BR2W2000	20.00 - 24.60	-	
Cast Iron, & Ductile	BR2W2400	24.00 - 25.00	-	
STEP 5 - SELECT COMPOS	SITE VALVE BOX with 12"	Cast Iron Upper Section		
IWT1 - No Valve Box Include	ed	NOV	-	
IWT2 - Mueller Valve Box 3'		03C	3-foot	
IWT2 - Mueller Valve Box 5'		05C	5-foot	
IWT2 - Mueller Valve Box 7'		07C	7-foot	
IWT2 - Mueller Valve Box 9'		09C	9-foot	
STEP 6 - SELECT SECURIT	TY OPTION			
Locking Lid		LR	Locking Nut	
OPTIONAL PARTS				
Cast Iron Valve Box		AJBV-4C	Roadway Install	



Rev. 11-17 Shaded area indicates changes

Enclosures

Enclosures are ideal for protecting valuable utility assets from the environment or vandalism.

Mueller Co. offers a wide range of sizes, materials and options to meet a utility's need to cover a sample station, air release valve, or any other water or wastewater asset.

- Plastic enclosures are UV and impact resistant polyethylene
- Metal enclosures are high-strength Aluminum, painted with Mueller[®] hydrant-quality finishes
- Powder-coated steel enclosures offer easy access to equipment and are available in a wide range of color options
- Below grade base for stability
- Most options offer 360° accessibility
- □ Corrosion resistant
- □ 1-year limited warranty



SGE080833DIV



SGE140024CHA (not available in CA, AZ, NV, OR, & WA)



SGE142435CHA00



Shaded area indicates change Rev. 10-16

Ordering Instructions

To order an Enclosure, simply choose the desired options from the chart below and contact your Mueller Sales Representative for pricing. ■ indicates option is included with the unit.

STEP 1 - SELECT MC	DEL		
Туре		Code	Select One
Enclosure		SGE	
STEP 2 - SELECT EN	CLOSURE STYLE		
Part Number		Se	lect One
	ROUND		
SGE180034CHA ¹			
SGE140024CHA ¹			
	SQUARE		
CHA / Standard			
SGE070739CHASP			
SGE101042CHASP			
SGE121247CHASP			
CHA / 316 Stainless S	iteel		
SGE070739CHA16			
SGE101042CHA16			
SGE121247CHA16			
DIV			
SGE080833DIV			
SGE101029DIV			
SGE121229DIV			
MUE / Heavy Gauge A	Aluminum (Powder C	oated)	
MUE080833PS			
MUE101033PS			
Custom Sized			
	RECTANGLE		
СНА			
SGE142435CHA00	Standard Form		
SGE142435CHA16	316 Stainless Steel		
	DIV		
SGE163125DIVWO	Without Insulation		
SGE1633125DIVWI	With Insulation		
SGE203426DIVWO	Without Insulation		
SGE203426DIVWI	With Insulation		
	ROCK		
545781	For HG-2 / HG-		
545782	For HG-5 **	*	

STEP 3 - SELECT CC	LOR	
Color	Code	Select One
DIV & CHA		
Blue	BL	
Light Green	LG	
Dark Green	DG	
CHA ONLY		
Sand Stone	SS	
Granite	GR	
Purple	PR	
Tan	TN	
MUE ONLY		
Dark Green	DG	
Water Blue	BL	
Brown	BR	
Purple	PR	
White	WH	
Black	BK	

OPTIONS		
Item	Code	Select One
TD Key (All DIV)	HG-A2006	
Hex & Shoulder Bolt Lock Key Combo (All CHA except 14x24x35)	HG-A2023	
P Key (CHA 14x24x35)	HG-15113	
Curb Stop Key	HG-20087	
ID Tag * (Any Model)	HG-20033	
Vacuum Pump	HG-A107	

1 - Not available in CA, AZ, NV, OR, & WA)

Part Numbering Example

CHA Style Enclosures																
Shape	Width	Depth	Height						F	Part N	lumbe	er				
	07"	07"	39"	S	G	Ε	0	7	0	7	3	9	С	Н	Α	
Square	10"	10"	42"	S	G	Е	1	0	1	0	4	2	С	Н	Α	
	12"	12"	47"	S	G	Е	1	2	1	2	4	7	С	Н	Α	
Rectangle	14"	24"	35"	S	G	Е	1	4	2	4	3	5	С	Н	Α	

BL = Blue

LG = Light Green

DG = Dark Green

SS = Sand Sone*

GR = Granite

PR = Purple

^{*} Multi-colored faux stone appearance



OPTIONAL EQUIPMENT & REPLACEMENT PARTS

Rev. 10-17 Shaded area indicates changes





HG-2







HG-A103/A104

Hunter NODE with Bermad Solenoid

HG-123100

HG-A134

Handheld PN: 545687

Optional Equipment

Ориона Едария	
Туре	Code
Handheld Programmer for T2 Programmer Interface	545687
Security Kit (includes screw driver) for HG-1/HG-3 design (prior to 11/2015)	HG-A103104
PSV - Portable Sample Valve (HG-1/HG-2/HG-5)	HG-S116
Hydrant Wrench (HG-6)	HG-A133
Locking Device (HG-6)	HG-A134
Sample Port Upgrade for former HG-3	HG-S135
Securing Screw Driver for former HG-1 & HG-3 (prior to 11/2015)	HG-A103
Security Wrench	HG-A104
Portable Sample Valve	HG-S116
Portable Sample Valve - Stainless	HG-S116B
Winterizing Vacuum Pump for VAC Sample Stations	HG-A107
Latching Solenoid for T2 Equipped Devices - 17" (HG1B/S, HG2, HG5)	HG-S255B
Latching Solenoid for T2 Equipped Devices - 33" (HG6BA)	HG-S256B
Latching Solenoid for T2 Equipped Devices - 50" (HG-1)	HG-S257B
Replacement TBOS T-2 Controller Interface	545686
HG-3 Ground Plate Sup-Assembly (prior to 11/2015)	HG-S119
Low Pressure Relief Valve	HG-S120
HG-3 Diffuser Sub-Assembly (prior to 11/2015)	HG-S121
HG-3 Riser Sub-Assembly (prior to 11/2015)	HG-S122
HG-3/4 Bottom Plate Sub-Assembly	HG-S123
HG-1 Riser Assembly (since 11/2015)	546703
HG-1 Above Grade Housing (since 11/2015)	546284
HG-1/HG-3 Decholorination Assembly (since 11/2015)	546519
Male Quick Connection	HG-123104
Male Quick Connection Cap	HG-123105
Femal Camlock - 2"	HG-13101
HG-1 NODE Bracket (since 11/2015)	546708
HG-1/HG-3 Housing Diffusion Top (since 11/2015)	546514
HG-1/HG-3 Housing Diffusion Screen (since 11/2015)	546515
Hydrant Defender with HG-6 lock (red)	HSZ0060010/HG-A134
Hydrant Defender with HG-6 lock (yellow)	HSZ0060014/HG-A134

Replacement Parts and Kits

EPDM (HIT Valve) Diaphragm HG-1 Control Valve Sub-Assembly (prior to 11/2015) HG-S101 Banjo Connection Replacement Gasket HG-V102 HG-I/HG-3 Ground Plate Gasket (prior to 11/2015) HG-01144 HG-1/HG-3 Cap O-Ring Replacement (prior to 11/2015) HIT Valve with Flow Control HIT Valve with Flow Control HG-123100B HG-1/HG-3 Cap Security Screws (prior to 11/2015) HG-13159 HG-6 Cover Security Screws HG01126 HG-3/HG-4 Low Pressure Relief Valve HG-3/HG-4 Low Pressure Relief Valve HG-3/HG-4 Low Pressure Relief Valve HG-1172 Banjo Connection Female Sub-Assembly HG-18037 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-2 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-4 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 4 HG1BS-T2 Retrofit Kit for HG-6 Retrofit Kit for HG-6 Retrofit Kit for HG-1 Retrofit Kit for HG-1-Basic/A NODE Controller Sub-Assembly HG-5292 Freeze Protection Adaptor HG-H0018 Hex Lock Replacement Kit HG-A2009 Thermal Control Valve Replacement HG-FP100 Thermal Control Valve Complete Assembly Replacement TBOS T2 Adaptor & O-Ring (prior to 11/2015) Retrofit Kit for HG-2 Low Profile or HG-2-High Profile HG2-BL Retrofit Kit for HG-3 (bury depth required) HG3-BL Retrofit Kit for HG-6 or HG-6 HG4-BL Retrofit Kit for HG-6 or HG-6 HG8-BL	Туре	Code
Banjo Connection Replacement Gasket HG-V102 HG-1/HG-3 Ground Plate Gasket (prior to 11/2015) HG-01144 HG-1/HG-3 Cap O-Ring Replacement (prior to 11/2015) HIT Valve with Flow Control HIT Valve without Flow Control HG-123100B HG-1/HG-3 Cap Security Screws (prior to 11/2015) HG-13159 HG-6 Cover Security Screws (prior to 11/2015) HG-3/HG-4 Low Pressure Relief Valve Banjo Connection Female Sub-Assembly HG-1825 2" HIT Valve Top Sub-Assembly HG-18037 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-4 Retrofit Kit for Conversion to RB TBOS T2 HG-5 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for HG-1 HG-1 HG-1 HG-1 HG-1 HG-1 HG-1 HG-1	EPDM (HIT Valve) Diaphragm	HG-16035
HG-1/HG-3 Ground Plate Gasket (prior to 11/2015) HG-01144 HG-1/HG-3 Cap O-Ring Replacement (prior to 11/2015) HIT Valve with Flow Control HIT Valve with Flow Control HG-123100 HIT Valve without Flow Control HG-123100 HG-123100 HG-1/HG-3 Cap Security Screws (prior to 11/2015) HG-6 Cover Security Screws HG01126 HG-3/HG-4 Low Pressure Relief Valve HG-3159 HG-6 Cover Security Screws HG01126 HG-3/HG-4 Low Pressure Relief Valve HG-3125 Banjo Connection Female Sub-Assembly HG-16037 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-4 Retrofit Kit for Conversion to RB TBOS T2 HG-5 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 Retrofit Kit for HG-1 Retrofit Kit for HG-1-Basic/A HG1BS-NODE HG-1800 HG-2009 HG-700 HG	HG-1 Control Valve Sub-Assembly (prior to 11/2015)	HG-S101
HG-1/HG-3 Cap O-Ring Replacement (prior to 11/2015) HIT Valve with Flow Control HIT Valve with Flow Control HG-123100 HIT Valve without Flow Control HG-123100B HG-1/HG-3 Cap Security Screws (prior to 11/2015) HG-6 Cover Security Screws HG-01126 HG-3/HG-4 Low Pressure Relief Valve HG-5120 Banjo Connection Female Sub-Assembly HG-18037 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-2 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-4 Retrofit Kit for Conversion to RB TBOS T2 HG-5 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for HG-1 Retrofit Kit for HG-2 Retrofit Kit for HG-1 Retrofit Kit for HG-1-Basic/A NODE Controller Sub-Assembly HG-5292 Freeze Protection Adaptpr Hg-16018 H	Banjo Connection Replacement Gasket	HG-V102
(prior to 11/2015) HIT Valve with Flow Control HIT Valve with Flow Control HIT Valve without Flow Control HG-123100B HG-1/HG-3 Cap Security Screws (prior to 11/2015) HG-6 Cover Security Screws (prior to 11/2015) HG-6 Cover Security Screws (prior to 11/2015) HG-3/HG-4 Low Pressure Relief Valve HG-3120 Banjo Connection Female Sub-Assembly HG-5125 2" HIT Valve Top Sub-Assembly HG-16037 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-2 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-4 Retrofit Kit for Conversion to RB TBOS T2 HG-5 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 Retrofit Kit for HG-1 Retrofit Kit for HG-1 Retrofit Kit for HG-1-Basic/A NODE Controller Sub-Assembly HG-5292 HG-FP108 Hydrant Swivel Adaptor HG-FP108 Hydrant Swivel Adaptor HG-FP100 Thermal Control Valve Replacement HG-FP100 Thermal Control Valve Replacement HG-FP100 Thermal Control Valve Complete Assembly Replacement Kit Replacement TBOS T2 Adaptor & O-Ring (prior to 11/2015) Retrofit Kit for HG-1 or HG-1-Basic/S Retrofit Kit for HG-2 Low Profile or HG-2-High Profile HG2-BL Retrofit Kit for HG-3 (bury depth required) HG4-BL Retrofit Kit for HG-6 or HG-6 HG6-BL	HG-1/HG-3 Ground Plate Gasket (prior to 11/2015)	HG-01144
HIT Valve without Flow Control HG-123100B HG-1/HG-3 Cap Security Screws (prior to 11/2015) HG-6 Cover Security Screws HG01126 HG-3/HG-4 Low Pressure Relief Valve HG-S120 Banjo Connection Female Sub-Assembly HG-6125 2" HIT Valve Top Sub-Assembly HG-16037 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-4 Retrofit Kit for Conversion to RB TBOS T2 HG-5 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 Retrofit Kit for HG-1 Retrofit Kit for HG-2 Retrofit Kit for HG-2 Retrofit Kit for HG-3 Retrofit Kit for HG-6 Retrofit Kit for HG-6 Retrofit Kit for HG-1-Basic/A NODE Controller Sub-Assembly HG-5292 Freeze Protection Adaptor HG-16018 Hex Lock Replacement Kit HG-A2009 Thermal Control Valve Replacement Thermal Control Valve Replacement Thermal Control Valve Complete Assembly Replacement Kit Replacement TBOS T2 Adaptor & O-Ring (prior to 11/2015) Retrofit Kit for HG-3 (bury depth required) Retrofit Kit for HG-4 (bury depth required) Retrofit Kit for HG-4 (bury depth required) HG-8L Retrofit Kit for HG-6 or HG-6		HG-0119
HG-1/HG-3 Cap Security Screws (prior to 11/2015) HG-13159 HG-6 Cover Security Screws HG01126 HG-3/HG-4 Low Pressure Relief Valve HG-S120 Banjo Connection Female Sub-Assembly HG-S125 2" HIT Valve Top Sub-Assembly HG-16037 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG1-T2 HG-2 Retrofit Kit for Conversion to RB TBOS T2 HG2-T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG3-T2 HG-4 Retrofit Kit for Conversion to RB TBOS T2 HG4-T2 HG-5 Retrofit Kit for Conversion to RB TBOS T2 HG5-T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG5-T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG1-T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG1-NODE RETROS T2 HG1-NODE Retrofit Kit for HG-1 Replacement Kit HG-1 Replacement Kit HG-1 Replacement TBOS T2 Adaptor & O-Ring (prior to 11/2015) Retrofit Kit for HG-3 (bury depth required) Retrofit Kit for HG-4 (bury depth required) Retrofit Kit for HG-6 or HG-6 Retrofit Kit for HG-6 or HG-6	HIT Valve with Flow Control	HG-123100
HG-6 Cover Security Screws HG-3/HG-4 Low Pressure Relief Valve HG-S120 Banjo Connection Female Sub-Assembly HG-125 2" HIT Valve Top Sub-Assembly HG-16037 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-2 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-4 Retrofit Kit for Conversion to RB TBOS T2 HG-5 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 Retrofit Kit for HG-1 Replacement Kit HG-A2009 Thermal Control Valve Replacement HG-FP100 Thermal Control Valve Complete Assembly Replacement Kit Replacement TBOS T2 Adaptor & O-Ring (prior to 11/2015) Retrofit Kit for HG-1 or HG-1-Basic/S HG1-BL Retrofit Kit for HG-3 (bury depth required) HG3-BL Retrofit Kit for HG-4 (bury depth required) HG4-BL Retrofit Kit for HG-6 or HG-6	HIT Valve without Flow Control	HG-123100B
HG-3/HG-4 Low Pressure Relief Valve Banjo Connection Female Sub-Assembly HG-S125 2" HIT Valve Top Sub-Assembly HG-16037 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-2 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-4 Retrofit Kit for Conversion to RB TBOS T2 HG-5 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for HG-1 Hg-1-NODE Retrofit Kit for HG-1 HG-1-Basic/A HG-1-Basi		HG-13159
Banjo Connection Female Sub-Assembly 2" HIT Valve Top Sub-Assembly HG-16037 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-2 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-4 Retrofit Kit for Conversion to RB TBOS T2 HG-5 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for HG-1 Hg-5292 Freeze Protection Adaptor HG-5292 Freeze Protection Adaptor Hg-F100 Hydrant Swivel Adaptor Hg-F100 Hex Lock Replacement Kit HG-A2009 Hremal Control Valve Replacement Thermal Control Valve Complete Assembly Replacement TBOS T2 Adaptor & O-Ring (prior to 11/2015) Retrofit Kit for HG-1 or HG-1-Basic/S HG1-BL Retrofit Kit for HG-2 Low Profile or HG-2-High Profile HG2-BL Retrofit Kit for HG-3 (bury depth required) HG3-BL Retrofit Kit for HG-4 (bury depth required) HG4-BL Retrofit Kit for HG-6 or HG-6	HG-6 Cover Security Screws	HG01126
2" HIT Valve Top Sub-Assembly HG-16037 HG-1 Retrofit Kit for Conversion to RB TBOS T2 HG-2 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-4 Retrofit Kit for Conversion to RB TBOS T2 HG-4 Retrofit Kit for Conversion to RB TBOS T2 HG-5 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 Retrofit Kit for HG-1 Retrofit Kit for HG-1 Retrofit Kit for HG-2 Retrofit Kit for HG-6 Retrofit Kit for HG-1-Basic/A NODE Controller Sub-Assembly HG-5292 Freeze Protection Adaptor HG-16018 Hex Lock Replacement Kit HG-A2009 Thermal Control Valve Replacement Thermal Control Valve Replacement HG-FP100 Thermal Control Valve Complete Assembly Replacement Kit Replacement TBOS T2 Adaptor & O-Ring (prior to 11/2015) Retrofit Kit for HG-2 Low Profile or HG-2-High Profile HG2-BL Retrofit Kit for HG-3 (bury depth required) HG-8BL Retrofit Kit for HG-6 or HG-6 HG6-BL	HG-3/HG-4 Low Pressure Relief Valve	HG-S120
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HG-2 Retrofit Kit for Conversion to RB TBOS T2 HG-3 Retrofit Kit for Conversion to RB TBOS T2 HG-4 Retrofit Kit for Conversion to RB TBOS T2 HG-5 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-6 Retrofit Kit for Conversion to RB TBOS T2 HG-1 Basic/S 1" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic/S 2" Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 HG-1 Basic Retrofit Kit for Conversion RB TBOS T2 Retrofit Kit for HG-1 Retrofit Kit for HG-1 Retrofit Kit for HG-2 Retrofit Kit for HG-8 Retrofit Kit for HG-1-Basic/A NODE Controller Sub-Assembly HG-5292 Freeze Protection Adaptor HG-FP108 Hydrant Swivel Adaptor HG-Retrofit Valve Replacement Thermal Control Valve Replacement Thermal Control Valve Complete Assembly Replacement Kit Replacement TBOS T2 Adaptor & O-Ring (prior to 11/2015) Retrofit Kit for HG-3 (bury depth required) Retrofit Kit for HG-4 (bury depth required) Retrofit Kit for HG-6 or HG-6 Retrofit Kit for HG-6 or HG-6 HG6-BL	2" HIT Valve Top Sub-Assembly	HG-16037
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Retrofit Kit for HG-6 or HG-6 HG6-BL		HG3-BL
	Retrofit Kit for HG-4 (bury depth required)	HG4-BL
Retrofit Kit for HG-8 HG8-BL	Retrofit Kit for HG-6 or HG-6	HG6-BL
	Retrofit Kit for HG-8	HG8-BL