

# **Technology and Product Line Presentation**

Water Conservation Through Innovation







This document discusses our company's background, proprietary patented technology, and provides an in-depth description of the unique products we proudly offer.

This is an interactive file. Therefore, you can easily access full specification information about any product by simply clicking on the corresponding model number on each product page.

A Model/Parts Index is included in the back of this document for your reference.

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- AMTC is the leading innovative designer and manufacturer of high quality, reliable, and cost-effective washroom automation systems and water saving devices for the commercial washroom.
- AMTC's Patented Micro-Cam Technology for automatic sensor flush valves and faucets is the industry's most innovative and best performing technology.
- AMTC has been granted 30 U.S. and several International patents pertaining to washroom automation and water conservation products.
- AMTC's award winning products are easy to install and maintain, have a quick payback in water savings, and deliver on their promised performance.

Notable Cu	Notable Customers:				
Douglas Emmett	CB Richard Ellis	AMC Theatres	Dodger Stadiur	•	Universal Studios Hollywood
Federal Governmei	State nt Agencies	Local Municipalities		United States Military	School Districts & Universities

# Why are our products the <u>most innovative</u> and <u>best performing</u> in the industry?



- AMTC's sensor flush valves and sensor faucets use proprietary Micro-Cam Technology therefore eliminating the need for solenoids the most common point of failure for competitor's products.
- AMTC's sensor flush valves have a true mechanical back-up will flush when batteries are drained.
- AMTC's proprietary side mount flusher is effectively an "automatic flush handle", it does not interfere with the operation of the flushometer a device that has been in use for over 100 years.
- AMTC's side mount flusher technology is highly programmable, leading to the development of the Automatic Janitor and Flush Genie<sup>®</sup> for urinals– products specifically designed for high traffic applications such as schools and arenas.
- AMTC's FIXEDFLO<sup>®</sup> sensor faucet system is the first High-Efficiency Faucet (HEF) system of its kind. The water flow rate is controlled internally (cannot be altered with or without an aerator due to its tamper proof mechanism).
- AMTC's HEALTHFLO<sup>®</sup> sensor faucet system is specifically designed for the healthcare environment. They are designed and engineered to limit cross contamination and the growth of pathogens.
- AMTC's products save water and provide a significant return on investment.
- AMTC's sensor products are the best available on the market. They are designed and engineered to last a lifetime.

# **World Class Product Portfolio**





World class product portfolio with the most innovative and best performing equipment

### **Sensor Faucet Unique Features**

- Multiple Power Sources (Hybrid Design)
- Reliable Micro-Cam Technology
- Advanced Flow Pin Technology
- First & Only High Efficiency Faucet (HEF) in the Market for Ultimate Water Savings
- More Hygienic Environment
- Low Lead Compliant
- 5-Year Warranty







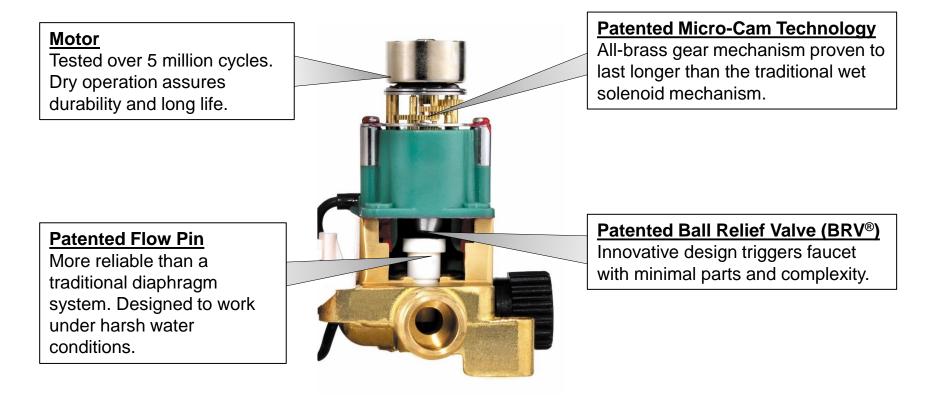




# Micro-Cam Technology – Sensor Faucets



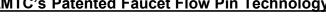
# AMTC's Patented Micro-Cam Technology is also the industry's most innovative and best performing faucet technology



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# Flow Pin Technology – Sensor Faucets

#### AMTC's Patented Faucet Flow Pin Technology







Competitors' Diaphragm Technology vs.

**AMTC's Patented Flow Pin Technology** 

Durable stainless steel/copper material design provides durability and long life



Stainless steel/copper material is not conducive to bacteria growth (copper has antibacterial properties)



Successfully tested over 5 million cycles



No replacement people  $d/\Gamma$  // or  $M/\sigma$ 

Competitors' Faucet Diaphragm Technology





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Wear and tear of rubber material in diaphragm leads to failure

Diaphragms may be conducive to bacteria growth (surface area has grooves where bacteria can grow)

Failure is expensive

Costly replacement needed



# **Sensor Faucet Lines**





- Engineered with AMTC's cutting-edge Micro-Cam Technology and are made of high-grade, low lead compliant solid brass, rewarding you with the rarest of experiences in <u>beauty</u>, <u>performance, and reliability</u>.
- Available in various flow rates.
- Ideal for all facilities.



- The first and only High-Efficiency Faucet (HEF) system of its kind.
- Designed specifically for facilities where water conservation is a priority. This faucet system is programmed to stream water at a preset flow rate that cannot be externally altered, even by the use of an aerator.
- Available in 0.35 and 0.5 gpm flow rates.
- Designed for water savings.

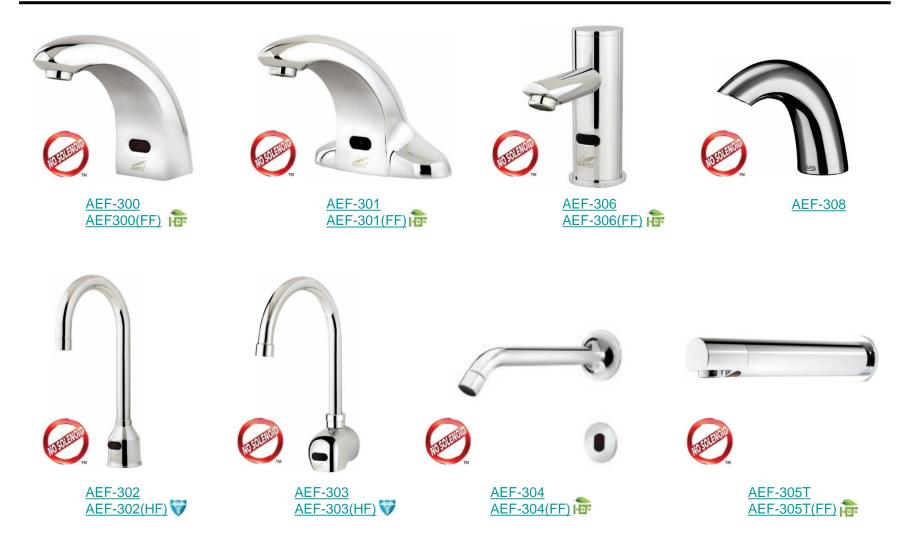
# HEALTHFLO<sup>®</sup> (HF)

**E** 

- Engineered with **anti-bacterial components** and designed for healthcare environments.
- Strict healthcare compliance.
- Incorporates AMTC's cutting-edge Micro-Cam Technology and are made of high-grade, low lead compliant solid brass and surgical stainless steel, rewarding you with the rarest of experiences in beauty, performance, and reliability.

### **Sensor Faucet Models**





### **Sensor Faucet Models**





# **Sensor Faucet/Soap Dispenser Accessories**



#### **Alternate Power Options**



**HG01** Hydro-Powered Electric Generator

AD01 AC Power Plug-in Adapter For Faucets Only

AC Power Plug-in Adapter

With Extension for up to

AD01-3

4 Faucets



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AD05 AC Power Plug-in Adapter For Sensor Soap Dispensers Only



AD05-2 AC Power Plug-in Adapter With Extension for 2 Devices

and/or Faucets)

(For Sensor Soap Dispensers

#### **Water Mixing Options**



MV Mechanical Mixing Valve



TMV Thermostatic Mixing Valve

### **Cover Plate Options**



- CP4 Cover Plate for 4" Center Set (6.25" Long) CP8
  - Cover Plate for 8" Center Set (10.25" Long)
- <u>CP8-1</u> Cover Plate for 8" Center Set (12.25" Extra Long)

# **Sensor Operated Soap Dispensers**



#### LIQUIDFLO<sup>™</sup> Automatic Liquid Soap Dispenser System



#### ASD-400

Counter Mount Automatic Liquid Soap Dispenser

#### ASD-400EL

Counter Mount Automatic Liquid Soap Dispenser w/Extra Long Spout



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#### SYSTEM BENEFITS:

- Solid brass spout designed to withstand vandalism
- Non-proprietary universal refillable liquid soap bottle
- Eliminates the need for expensive proprietary cartridge refills, thus reducing post-consumer waste by as much as 57%.
- Dispenses economical non-proprietary liquid soap refills available on the open market. Provides savings of 80% or more versus proprietary cartridges. Return on investment (ROI) averages one (1) year.
- Ideal counter mount system dispenses liquid (lotion) soap
- Easy to install and maintain
- Battery operated or AC power options

#### **FOAMFLO®** Automatic Foam Soap Dispenser System

#### ASD-500

Counter Mount Automatic Foam Soap Dispenser

#### ASD-500EL

Counter Mount Automatic Foam Soap Dispenser w/Extra Long Spout





#### SYSTEM BENEFITS:

- Solid brass spout designed to withstand vandalism
- Non-proprietary universal refillable foam soap bottle
- Eliminates the need for expensive proprietary cartridge refills, thus reducing post-consumer waste by as much as 57%.
- Dispenses economical non-proprietary foam soap refills available on the open market. Provides savings of 80% or more versus proprietary cartridges. Return on investment (ROI) averages one (1) year.
- Ideal counter mount system dispenses rich foam soap
- Easy to install and maintain
- Battery operated or AC power options

# **FOAMFLO®** Foaming Hand Soap





Picture Item#		Description				
	FR500CT-4	Foaming Hand Soap – <b>Citrus</b> Fragrance (Case includes 4-One Gallon Bottles)				
	FR500FF-4	Foaming Hand Soap – Fragrance & Dye Free (Case includes 4-One Gallon Bottles)				
	FR500FL-4	Foaming Hand Soap – Floral Fragrance (Case includes 4-One Gallon Bottles)				
	FR500LL-4	Foaming Hand Soap – Lilac Fragrance (Case includes 4-One Gallon Bottles)				
	FR500LV-4	Foaming Hand Soap – Lavender Fragrance (Case includes 4-One Gallon Bottles)				
	FR500TP-4	Foaming Hand Soap – Tropical Fragrance (Case includes 4-One Gallon Bottles)				

# **Sensor Operated Hand Sanitizer Dispensers**

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#### HY-GENIE<sup>™</sup> LIQUID Automatic Liquid Sanitizer Dispenser System



#### ASD-600

Counter Mount Automatic Liquid Sanitizer Dispenser

#### ASD-600EL

Counter Mount Automatic Liquid Sanitizer Dispenser w/Extra Long Spout



#### SYSTEM BENEFITS:

- Solid brass spout designed to withstand vandalism
- Non-proprietary universal refillable liquid sanitizer bottle
- Eliminates the need for expensive proprietary cartridge refills, thus reducing post-consumer waste by as much as 57%.
- Dispenses economical non-proprietary liquid sanitizer refills available on the open market. Provides savings of 80% or more versus proprietary cartridges. Return on investment (ROI) averages one (1) year.
- Ideal counter mount system dispenses liquid (gel) sanitizer
- Easy to install and maintain
- Battery operated or AC power options

#### **HY-GENIE<sup>™</sup> FOAM** Automatic Foam Sanitizer Dispenser System

#### <u>ASD-700</u>

Counter Mount Automatic Foam Sanitizer Dispenser

#### ASD-700EL

Counter Mount Automatic Foam Sanitizer Dispenser w/Extra Long Spout





#### SYSTEM BENEFITS:

- Solid brass spout designed to withstand vandalism
- Non-proprietary universal refillable foam sanitizer bottle
- Eliminates the need for expensive proprietary cartridge refills, thus reducing post-consumer waste by as much as 57%.
- Dispenses economical non-proprietary foam sanitizer refills available on the open market. Provides savings of 80% or more versus proprietary cartridges. Return on investment (ROI) averages one (1) year.
- Ideal counter mount system dispenses rich foam sanitizer
- Easy to install and maintain
- Battery operated or AC power options

# **Manual Flushometers**





Urinal Flushometers



- Exposed Manual Flushometer for Urinals
- Highly Durable Design
- Solid Brass Construction
- Proprietary High-Performance Silicone Diaphragm
- All Components Interchangeable with Sloan<sup>®</sup> and Zurn<sup>®</sup> Repair Parts
- 5-Year Warranty

# Toilet Flushometers



- Exposed Manual Flushometer for Water Closets (Toilets)
- Highly Durable Design
- Solid Brass Construction
- Proprietary High-Performance Silicone Diaphragm
- All Components Interchangeable with Sloan<sup>®</sup> and Zurn<sup>®</sup> Repair Parts
- 5-Year Warranty

#### Urinal Models Available:

<u>MF-700-U18</u> - 0.125 gpf (0.5 Lpf) <u>MF-700-U05</u> - 0.5 gpf (1.9 Lpf) <u>MF-700-U10</u> - 1.0 gpf (3.8 Lpf)

#### Toilet Models Available:

<u>MF-700-T11</u> - 1.1 gpf (4.2 Lpf) <u>MF-700-T12</u> - 1.28 gpf (4.8 Lpf) <u>MF-700-T16</u> - 1.6 gpf (6.0 Lpf)



# Dual-Flush Toilet Flushometers



- Exposed **Dual-Flush** Manual
- Flushometer for Water Closets (Toilets)
- Smart Solution for Saving Water
- Push Handle **DOWN** for **Liquid** Waste and Pull Handle **UP** for **Solid** Waste
- Up To 30% Water Savings
- No Significant Behavioral Change is <u>Necessary</u>
- Proprietary High-Performance Silicone Diaphragm
- 5-Year Warranty

#### **Dual-Flush Toilet Models Available:**

MF-700-DFT16 - 1.6/1.1 gpf (6.0/4.2 Lpf)

# Silicone Diaphragm Technology – Manual & Sensor Flush Valves



### Competitors' Diaphragm Technology vs. AMTC's High Performance Silicone Diaphragm Technology

<u>Competitors'</u> <u>Permex<sup>®</sup> Diaphragm Technology</u>



\*Permex is a registered trademark of Sloan® Valve Company

Permex<sup>®</sup> Rubber



NOT Chloramine Resistant

Deteriorates Rapidly/Requires Frequent Replacement

#### AMTC's High Performance Silicone Diaphragm Technology





Silicone Rubber

**Chloramine Resistant** 

Proven to Outlast Natural Rubber Diaphragms/ Last Significantly Longer Than Rubber

# **Dual-Flush Manual Flush Handle for Toilets**







**Benefits:** 

- Green Solution Reduces Water Usage by Approx. 30%
- Mo Behavioral Change Required by Users to Start Saving Water
- Low Cost Solution to Achieve High Efficiency Standards May Earn LEED Points
- Promotes Eco Friendly Image of Facility
- Eliminates Costly Replacement of Porcelain Fixtures
- Easily Converts Most Commercial Water Closets (Toilets) into High Efficiency Fixtures
- No Costly Professional Installation Required
- Excellent Return on Investment (ROI)

#### Features:

- Retrofit Handle for Water Closet (Toilets)
- Unique Patented Internal Mechanism
- Push Handle DOWN for Reduced Flush
- Pull Handle UP for Full Flush
- Universal Usage Instructions on Handle

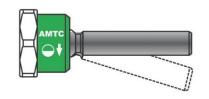
The competition offers a Dual-flush handle that yields water savings in the opposite direction. UP for water savings = Wrong Way!

# Half-Flush Manual Flush Handle for Urinals





#### HALF-FLUSH<sup>™</sup> Water-Saving Urinal System



By using this Water-Saving Urinal System you are doing your part to conserve water and demonstrating your commitment to preserving the environment.



**Benefits:** 

- Green Solution Reduces Water Usage by Approx. 50%
- No Behavioral Change Required by Users to Start Saving Water
- Low Cost Solution to Achieve High Efficiency Standards May Earn LEED Points
- Promotes Eco Friendly Image of Facility
- Eliminates Costly Replacement of Porcelain Fixtures
- Easily Converts Most Commercial Urinals into High Efficiency Fixtures
- No Costly Professional Installation Required
- Excellent Return on Investment (ROI)

#### Features:

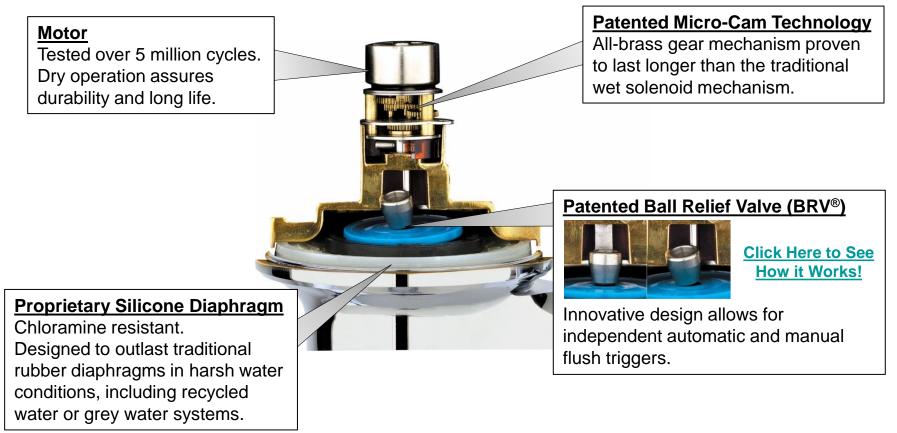
- Retrofit Handle for Urinals
- Unique Patented Internal Mechanism
- Push Handle DOWN for Reduced Flush
- Universal Usage Instructions on Handle

#### The competition does not offer this product!

# Micro-Cam Technology – HYBRIDFLUSH<sup>®</sup> Top Mount Sensor Flush Valves



AMTC's Patented Micro-Cam Technology is the industry's most innovative and best performing automatic flusher technology



Micro-Cam Technology vs Solenoid



### AMTC's Micro-Cam technology is superior to Solenoid technology

### **Solenoid Technology**



- Electro-magnetic component in contact with water leads to corrosion
  - Corrosion leads to failure
  - Failure is expensive
  - Fails quickly in grey water systems
  - Costly replacement needed

### AMTC's Micro-Cam Technology





- Brass/stainless steel motor mechanism
- Dry operation/no electro-magnetic components prevents corrosion



Successfully tested over 5 million cycles



Works well in grey water systems



No replacement needed/5 Year Warranty

# Sensor Flush Valves-Retrofit Kits





AEF-801-CRU

AEF-801-WBCRT

AEF-801-CRT

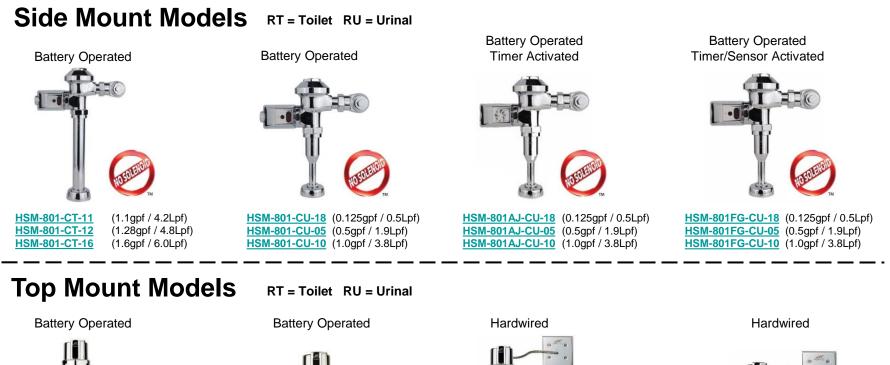
- Concealed Plate is 4" x 4"
- Wall Box is 14" x 12"

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AEF-801-WBCRU

### **Sensor Flush Valves-Complete Exposed Flushometers**







AEF-801-CT-11 (1.1gpf / 4.2Lpf) AEF-801-CT-12 (1.28gpf / 4.8Lpf) AEF-801-CT-16 (1.6gpf / 6.0Lpf) AEF-801DF-CT-16 (1.1gpf-1.6gpf / 4.2Lpf-6.0Lpf)



AEF-801-CU-18 (0.125gpf / 0.5Lpf) AEF-801-CU-05 (0.5qpf / 1.9Lpf) AEF-801-CU-10 (1.0qpf / 3.8Lpf)

AEF-801-HWCT-11 (1.1gpf / 4.2Lpf) AEF-801-HWCT-12 **AEF-801-HWCT-16** 

(1.28gpf / 4.8Lpf) (1.6qpf / 6.0Lpf) AEF-801DF-HWCT-16 (1.1gpf-1.6gpf / 4.2Lpf-6.0Lpf)



# Sensor Flush Valves-Complete Concealed Flushometers



#### **Concealed Models** RT = Toilet RU = Urinal Hardwired Concealed Hardwired Concealed Hardwired Wall Box Hardwired Wall Box 8 AEF-801-CCT-11 (1.1gpf / 4.2Lpf) AEF-801-CCU-18 (0.125gpf / 0.5Lpf) AEF-801-WBCCT-11 (1.1qpf / 4.2Lpf) AEF-801-WBCCU-18 (0.125gpf / 0.5Lpf) AEF-801-CCT-12 (1.28gpf / 4.8Lpf) AEF-801-CCU-05 (0.5gpf / 1.9Lpf) AEF-801-WBCCU-05 (0.5gpf / 1.9Lpf) **AEF-801-WBCCT-12** (1.28gpf / 4.8Lpf) AEF-801-CCU-10 (1.0gpf / 3.8Lpf) AEF-801-CCT-16 (1.6gpf / 6.0Lpf) AEF-801-WBCCU-10 (1.0gpf / 3.8Lpf) AEF-801-WBCCT-16 (1.6gpf / 6.0Lpf) AEF-801DF-CCT-16 (1.1gpf-1.6gpf / 4.2Lpf-6.0Lpf) AEF-801DF-WBCCT-16 (1.1gpf-1.6gpf / 4.2Lpf-6.0Lpf)

### **Accessories for AEF-801 Series Sensor Flush Valves**



PBCK Push Button Conversion Kit



PB-C Push Button Assembly



HC801 Cover for Flush Handle

### Water Closet (Toilet) & Urinal Bowls Commercial Fixtures

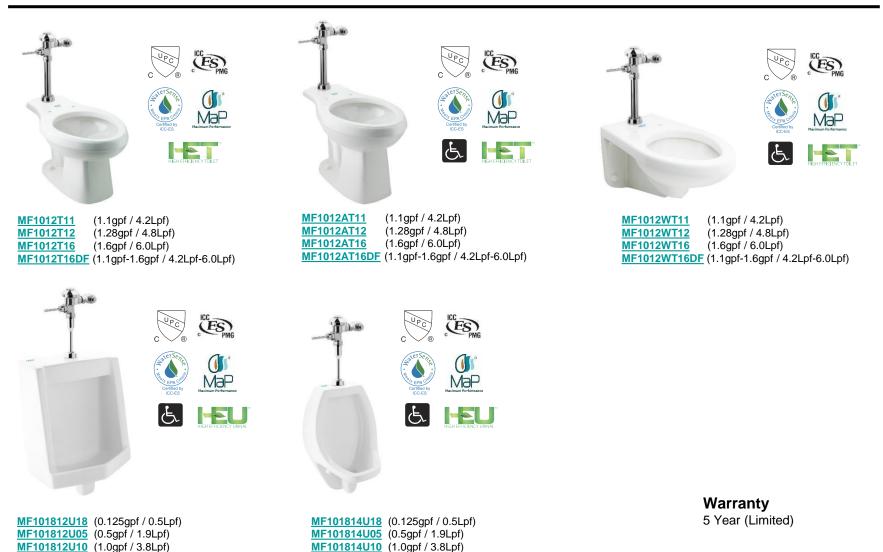
Water Closets (Toilets) and Urinals



### Water Closet (Toilet) & Urinal Flush Valve Systems Manual Flush Valve Systems



Exposed Water Closets (Toilets) and Urinals



### Water Closet (Toilet) & Urinal Flush Valve Systems Electronic Top Mount Sensor Flush Valve Systems

Exposed Battery Powered HYBRIDFLUSH® for Water Closets (Toilets) and Urinals



### Water Closet (Toilet) & Urinal Flush Valve Systems Electronic Top Mount Sensor Flush Valve Systems





### Water Closet (Toilet) & Urinal Flush Valve Systems Electronic Side Mount Sensor Flush Valve Systems

Exposed Battery Powered HYBRIDFLUSH® for Water Closets (Toilets) and Urinals



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### Water Closet (Toilet) & Urinal Flush Valve Systems Electronic Side Mount Timer Flush Valve Systems

Exposed Battery Powered Automatic Janitor for Urinals



HSM101812U18AJ (0.125gpf / 0.5Lpf) HSM101812U05AJ (0.5gpf / 1.9Lpf) HSM101812U10AJ (1.0gpf / 3.8Lpf) HSM101814U18AJ (0.125gpf / 0.5Lpf) HSM101814U05AJ (0.5gpf / 1.9Lpf) HSM101814U10AJ (1.0gpf / 3.8Lpf)

### **Electronic Side Mount Timer/Sensor Flush Valve Systems**

Exposed Battery Powered Flush Genie® for Urinals



### Water Closet (Toilet) & Urinal Flush Valve Systems Electronic Concealed Sensor Flush Valve Systems

Concealed Hardwired HYBRIDFLUSH® for Water Closets (Toilets) and Urinals

AEFC101812U10 (1.0gpf / 3.8Lpf)



AEFC101814U10 (1.0gpf / 3.8Lpf)

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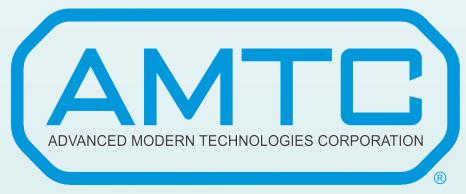
### Water Closet (Toilet) & Urinal Flush Valve Systems Electronic Concealed Sensor Flush Valve Systems



Wall Box Concealed Hardwired HYBRIDFLUSH® for Water Closets (Toilets) and Urinals



AEFWB101812U18 (0.125gpf / 0.5Lpf) AEFWB101812U05 (0.5gpf / 1.9Lpf) AEFWB101812U10 (1.0gpf / 3.8Lpf) AEFWB101814U18 (0.125gpf / 0.5Lpf) AEFWB101814U05 (0.5gpf / 1.9Lpf) AEFWB101814U10 (1.0gpf / 3.8Lpf)



### Water Conservation Through Innovation

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