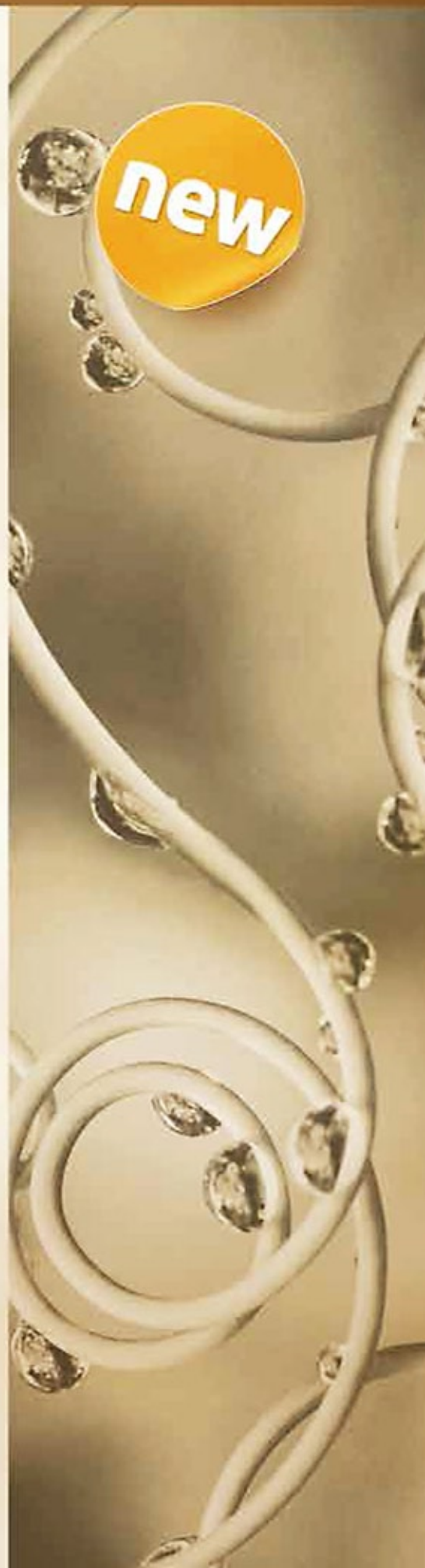


AUTOMATIC SOAP DISPENSER

PY05-9000

Solid Brass. Dispenses Standard
Bulk Soap

Available in 20+ Matching Finishes



MAC FAUCETS, LLC.

THE LEADER IN DECORATIVE AUTOMATIC FAUCETS, WORLDWIDE!

WWW.MACFAUCETS.COM



Electronic Faucet

Solid Brass. Lead Free
Available in 20+ Finishes



Electronic Soap Dispenser

Solid Brass. Dispenses Standard Bulk Soap
Available in 20+ Finishes

Automatic Toilet Valve

Solid Brass Construction.
Self Cleaning Piston Valve.
Various Gallon Per Flush Options.
Available in 20+ Matching Finishes



Automatic Urinal Valve

Solid Brass Construction.
Self Cleaning Piston Valve.
Various Gallon Per Flush Options.
Available in 20+ Matching Finishes



MAC FAUCETS, LLC.



Satin Brass Finish



Polished Chrome Finish

POUR YOUR OWN SOAP with this **SOLID BRASS** electronic sensor soap dispenser, and free yourself from Soap Serfdom. **Competitor's electronic soap dispensers are specifically designed to dispense soaps made by the soap dispenser manufacturer at a heavy premium.** NOT SO with the new MAC PYOS-9000. *Select the liquid soap of your choice from the vendor of your choice, saving both time and money.*

This patent pending design is capable of dispensing liquid soaps & lotions available *anywhere* soaps and lotions are sold**

- **Freedom to select the soap of your choice from the vendor of your choice**.** *Competitors models require the use of soap which is made by the manufacturer of the soap dispenser.*
- Solid brass construction instead of plastic.
- All function adjustments are conducted above the sink with an optional hand held remote control.
- Soap bottle is easily installed for **convenience of soap refill.**
- **Available in 20 finishes** to match many bathroom faucets and fixtures, *specially MAC sensor faucets*

	MAC PYOS-9000	COMPETITION USING SOAP CARTRIDGE
Spout Material	Solid Brass	Plastic
Shank and Mounting Hardware	Stainless Steel and Brass	Plastic
Vandal Resistance	High	Low
Matching Finishes	20+ Finishes to Match Faucets	NO
Vessel Sink Installation	Available Option	NO
ADA Compliant 	YES	NO*
Soap or Lotion Selection	Uses Any Liquid Soap or Lotion. Sold Retail or Wholesale**	Must Buy Soap Made by Soap Dispenser Manufacturer. Sold Through Specific Vendors
Function Adjustments	Optional Hand Held Remote Control	Below Sink
Soap Refill (PYOS-9000) VS. Bottle Exchange (Competition)	Convenient Installation Options For Ease of Refill. Requires No Special Skills	Bottle Must Be Installed Right Below Dispenser. Requires Skill to Exchange Soap Cartridge
Soap Pump	Heavy Duty Peristaltic Type Normally Found in Medical Applications	Nylon Piston Type Pump Normally Found in Disposable Consumer Grade Soap Bottles

* Competitor's soap dispensers require that the soap bottle is located immediately below soap dispenser. Therefore, when the soap dispenser is installed so it is handicap accessible, the bottle's vertical clearance below the sink prevents wheel chair access and circumvents ADA compliance of hands free operation. It is our opinion that competitor's electronic soap dispensers are not ADA compliant in all installations.

** PYOS-9000 is capable of dispensing any liquid soap or lotion found in places such as grocery stores, janitorial supply stores or wherever soap is sold regardless of quantities. **PYOS-9000 is not capable of dispensing heavy cream soaps and lotions, or grit type soap.**

PYOS-9000 in Satin Nickel Finish



Optional Remote Control



Below Sink Hardware (Rough)



PYOS-9000 List Price \$449.99 to \$599.99

**COST OF OWNERSHIP CALCULATION:
MAC FAUCETS PYOS-9000 VS.
CARTRIDGE TYPE SOAP DISPENSERS**

MAC FAUCETS, LLC.
THE LEADER IN DECORATIVE AUTOMATIC FAUCETS, WORLDWIDE!

Figures below are based on average use for each usage category, and average advertised retail prices of soaps and soap dispensers. These figures are approximate. Your usage & cost may vary.

Initial cost of soap dispenser in polished chrome finish	MAC Faucets PYOS-9000	Cartridge Type Soap Dispenser
	\$240.00	\$60.00

Cost of soap Liter in each container	\$12.00 per Gallon 3.780 per gallon	\$21.00 per Cartridge 1.600 per cartridge
Cost of soap per liter	Approx. \$3.20 / Liter	Approx. \$13.12 / Liter

Cost of soap figures below are based on 0.8 Milliliter (0.8ML) of soap dispensed per use PLUS soap waste. Soap waste is caused by discarding soap cartridges with soap left in them, or by overfilling soap bottles. Soap waste estimates are: 5% soap waste for MAC PYOS-9000, 15% soap waste for cartridge type.

Usage	Light Usage 1.2 Liters per Month		Medium Usage 2.4 Liters per Month		Heavy Usage 4.8 Liters per Month	
	PYOS-9000	Cartridge Type	PYOS-9000	Cartridge Type	PYOS-9000	Cartridge Type
Soap Dispenser						
Cost of Soap per Month	\$4.03	\$18.11	\$8.06	\$36.21	\$16.13	\$72.42
Cost of soap per year	\$48.38	\$217.27	\$96.77	\$434.53	\$193.54	\$869.07
Approximate time † till breakeven point	13 Months		6 1/2 Months		3 Months	
Total Cost of Ownership 1 st year *	\$288.38	\$227.27	\$336.77	\$494.53	\$433.54	\$929.07
Savings Per Unit 1 st Year of Ownership **		-\$11.12	\$157.77		\$495.53	
Total Cost of Ownership 2 nd year *	\$336.77	\$494.53	\$433.54	\$929.07	\$627.07	\$1,798.14
Savings Per Unit 2 nd Year of Ownership **	\$157.77		\$495.53		\$1,171.07	
Total Cost of Ownership 3 rd year *	\$385.15	\$711.80	\$530.30	\$1,363.60	\$820.61	\$2,667.21
Savings Per Unit 3 rd Year of Ownership **	\$326.65		\$833.30		\$1,846.60	

† Breakeven point is the point in time at which the cost of ownership of either soap dispenser, MAC PYOS-9000 or cartridge type, is the same. The months shown in the cells denote the length of time it takes to reach this breakeven point from the date that the item is placed in service. Cost of ownership is discussed in length below.

* Total cost of ownership includes total soap consumption for the entire period + initial cost of soap dispenser per unit.

** Saving per unit when choosing MAC PYOS-9000 soap dispenser vs. cartridge type soap dispenser.

Medium traffic category is highlighted since it includes many applications where electronic soap dispensers are installed.

AUTOMATIC SOAP DISPENSER

PY05-L100

Solid Brass Construction
Dispenses standard liquid soap
Available in 22 finishes



new

MAC FAUCETS, LLC.

THE LEADER IN DECORATIVE AUTOMATIC FAUCETS, WORLDWIDE!

WWW.MACFAUCETS.COM



Electronic Faucet
Solid Brass. Lead Free
Available in 20+ Finishes



Electronic Soap Dispenser
Solid Brass. Dispenses Standard Bulk Soap
Available in 20+ Finishes



Automatic Toilet Valve
Solid Brass Construction.
Self Cleaning Piston Valve.
Various Gallon Per Flush Options.
Available in 20+ Matching Finishes

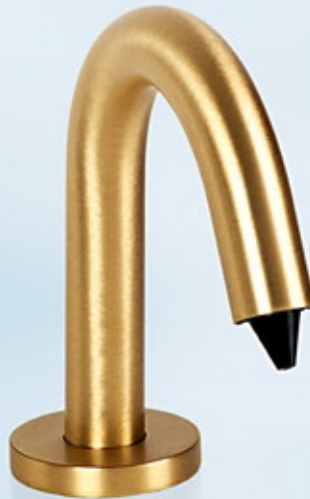
Automatic Urinal Valve
Solid Brass Construction.
Self Cleaning Piston Valve.
Various Gallon Per Flush Options.
Available in 20+ Matching Finishes



MAC FAUCETS, LLC.



Antique Brass Finish



Satin Brass Finish



Polished Brass Finish

POUR YOUR OWN SOAP with this **SOLID BRASS** electronic sensor soap dispenser, and free yourself from Soap Serfdom. **Competitor's electronic soap dispensers are specifically designed to dispense soaps made by the soap dispenser manufacturer at a heavy premium.** NOT SO with the new MAC Soap Dispenser. *Select the liquid soap of your choice from the vendor of your choice, saving both time and money.*

This patent pending design is capable of dispensing liquid soaps & lotions available *anywhere* soaps and lotions are sold**

- **Freedom to select the soap of your choice from the vendor of your choice**.** *Competitors models require the use of soap which is made by the manufacturer of the soap dispenser.*
- **Solid brass** construction instead of plastic.
- All function adjustments are conducted above the sink with an optional **hand held remote control.**
- Soap bottle is easily installed for **convenience of soap refill.**
- **Available in 20 finishes** to match many bathroom faucets and fixtures, *specially MAC sensor faucets*

	MAC PYOS SYSTEM	COMPETITION USING SOAP CARTRIDGE
Spout Material	Solid Brass	Plastic
Shank and Mounting Hardware	Stainless Steel and Brass	Plastic
Vandal Resistance	High	Low
Matching Finishes	20+ Finishes to Match Faucets	NO
Vessel Sink Installation	Available Option	NO
ADA Compliant 	YES	NO*
Soap or Lotion Selection	Uses Any Liquid Soap or Lotion. Sold Retail or Wholesale**	Must Buy Soap Made by Soap Dispenser Manufacturer. Sold Through Specific Vendors
Function Adjustments	Optional Hand Held Remote Control	Below Sink
Soap Refill (PYOS) VS. Bottle Exchange (Competition)	Convenient Installation Options For Ease of Refill. Requires No Special Skills	Bottle Must Be Installed Right Below Dispenser. Requires Skill to Exchange Soap Cartridge
Soap Pump	Heavy Duty Peristaltic Type Normally Found in Medical Applications	Nylon Piston Type Pump Normally Found in Disposable Consumer Grade Soap Bottles

* Competitor's soap dispensers require that the soap bottle is located immediately below soap dispenser. Therefore, when the soap dispenser is installed so it is handicap accessible, the bottle's vertical clearance below the sink prevents wheel chair access and circumvents ADA compliance of hands free operation. It is our opinion that competitor's electronic soap dispensers are not ADA compliant in all installations.

** PYOS is capable of dispensing any liquid soap or lotion found in places such as grocery stores, janitorial supply stores or wherever soap is sold regardless of quantities. **Soap Dispenser is not capable of dispensing heavy cream soaps and lotions, or grit type soap.**



Polished Chrome Finish



Venetian Bronze Finish



**COST OF OWNERSHIP CALCULATION:
MAC FAUCETS PYOS SYSTEM VS.
CARTRIDGE TYPE SOAP DISPENSERS**

MAC FAUCETS, LLC.
THE LEADER IN DECORATIVE AUTOMATIC FAUCETS, WORLDWIDE!

Figures below are based on average use for each usage category, and average advertised retail prices of soaps and soap dispensers. These figures are approximate. Your usage & cost may vary.

Initial cost of soap dispenser in polished chrome finish	MAC Faucets PYOS-L100	Cartridge Type Soap Dispenser
Cost of soap Liter in each container	\$12.00 per Gallon 3.780 per gallon	\$21.00 per Cartridge 1.600 per cartridge
Cost of soap per liter	Approx. \$3.20 / Liter	Approx. \$13.12 / Liter

Cost of soap figures below are based on 0.8 Milliliter (0.8ML) of soap dispensed per use PLUS soap waste. Soap waste is caused by discarding soap cartridges with soap left in them, or by overfilling soap bottles. Soap waste estimates are: 5% soap waste for MAC PYOS system, 15% soap waste for cartridge type.

Usage	Light Usage 1.2 Liters per Month		Medium Usage 2.4 Liters per Month		Heavy Usage 4.8 Liters per Month	
	PYOS-L100	Cartridge Type	PYOS-L100	Cartridge Type	PYOS-L100	Cartridge Type
Soap Dispenser						
Cost of Soap per Month	\$4.03	\$18.11	\$8.06	\$36.21	\$16.13	\$72.42
Cost of soap per year	\$48.38	\$217.27	\$96.77	\$434.53	\$193.54	\$869.07
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Savings Per Unit 1 st Year of Ownership **		-\$11.12	\$157.77		\$495.53	
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Total Cost of Ownership 3 rd year *	\$385.15	\$711.80	\$530.30	\$1,363.60	\$820.61	\$2,667.21
Savings Per Unit 3 rd Year of Ownership **	\$326.65		\$833.30		\$1,846.60	

† Breakeven point is the point in time at which the cost of ownership of either soap dispenser, MAC PYOS System or cartridge type, is the same. The months shown in the cells denote the length of time it takes to reach this breakeven point from the date that the item is placed in service. Cost of ownership is discussed in length below.

* Total cost of ownership includes total soap consumption for the entire period + initial cost of soap dispenser per unit.

** Saving per unit when choosing MAC soap dispenser vs. cartridge type soap dispenser.

Medium traffic category is highlighted since it includes many applications where electronic soap dispensers are installed.

MAC FAUCETS LLC.

The Leader in Decorative Automatic Faucets, Worldwide!

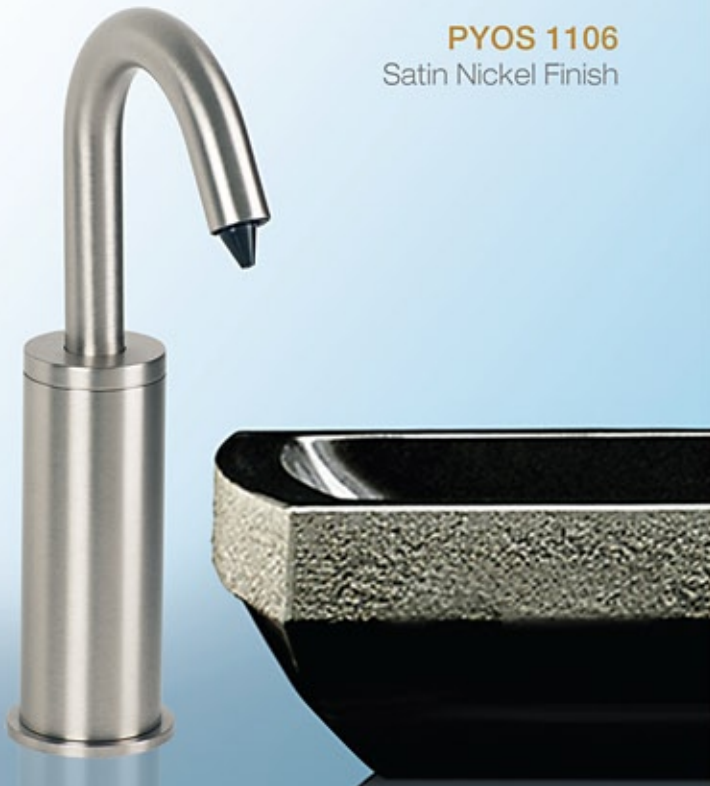


PYOS 1105 - Antique Brass Finish

PYOS 1102 - 1106

MAC FAUCETS LLC.
The Leader in Decorative Automatic Faucets, Worldwide!

PYOS 1106
Satin Nickel Finish



PYOS 1104
Polished Chrome Finish



PYOS 1102
Polished Brass Finish



PYOS 1103
Venetian Bronze Finish




MAC FAUCETS LLC.

The Leader in Decorative Automatic Faucets, Worldwide!

POUR YOUR OWN SOAP with this **SOLID BRASS** electronic sensor soap dispenser, and free yourself from Soap Serfdom. **Competitor's electronic soap dispensers are specifically designed to dispense soaps made by the soap dispenser manufacturer at a heavy premium.** NOT SO with the new MAC Soap Dispenser. *Select the liquid soap of your choice from the vendor of your choice, saving both time and money.*

This patent pending design is capable of dispensing liquid soaps & lotions available *anywhere* soaps and lotions are sold**

- **Freedom to select the soap of your choice from the vendor of your choice**.** *Competitors models require the use of soap which is made by the manufacturer of the soap dispenser.*
- Solid brass construction instead of plastic.
- All function adjustments are conducted above the sink with an optional hand held remote control.
- Soap bottle is easily installed for **convenience of soap refill.**
- **Available in 20 finishes** to match many bathroom faucets and fixtures, *especially MAC sensor faucets*

	MAC PYOS SYSTEM	COMPETITION USING SOAP CARTRIDGE
Spout Material	Solid Brass	Plastic
Shank and Mounting Hardware	Stainless Steel and Brass	Plastic
Vandal Resistance	High	Low
Matching Finishes	20+ Finishes to Match Faucets	NO
Vessel Sink Installation	Available Option	NO
ADA Compliant 	YES	NO*
Soap or Lotion Selection	Uses Any Liquid Soap or Lotion. Sold Retail or Wholesale**	Must Buy Soap Made by Soap Dispenser Manufacturer. Sold Through Specific Vendors
Function Adjustments	Optional Hand Held Remote Control	Below Sink
Soap Refill (PYOS) VS. Bottle Exchange (Competition)	Convenient Installation Options For Ease of Refill. Requires No Special Skills	Bottle Must Be Installed Right Below Dispenser. Requires Skill to Exchange Soap Cartridge
Soap Pump	Heavy Duty Peristaltic Type Normally Found in Medical Applications	Nylon Piston Type Pump Normally Found in Disposable Consumer Grade Soap Bottles

* Competitor's soap dispensers require that the soap bottle is located immediately below soap dispenser. Therefore, when the soap dispenser is installed so it is handicap accessible, the bottle's vertical clearance below the sink prevents wheel chair access and circumvents ADA compliance of hands free operation. It is our opinion that competitor's electronic soap dispensers are not ADA compliant in all installations.

** PYOS is capable of dispensing any liquid soap or lotion found in places such as grocery stores, janitorial supply stores or wherever soap is sold regardless of quantities. **Soap Dispenser is not capable of dispensing heavy cream soaps and lotions, or grit type soap.**

**COST OF OWNERSHIP CALCULATION:
MAC FAUCETS PYOS SYSTEM VS.
CARTRIDGE TYPE SOAP DISPENSERS**



Figures below are based on average use for each usage category, and average advertised retail prices of soaps and soap dispensers. These figures are approximate. Your usage & cost may vary.

Initial cost of soap dispenser in polished chrome finish	MAC Faucets PYOS-L100	Cartridge Type Soap Dispenser
Cost of soap Liter in each container	\$12.00 per Gallon 3.780 per gallon	\$21.00 per Cartridge 1.600 per cartridge
Cost of soap per liter	Approx. \$3.20 / Liter	Approx. \$13.12 / Liter

Cost of soap figures below are based on 0.8 Milliliter (0.8ML) of soap dispensed per use PLUS soap waste. Soap waste is caused by discarding soap cartridges with soap left in them, or by overfilling soap bottles. Soap waste estimates are: 5% soap waste for MAC PYOS system, 15% soap waste for cartridge type.

Usage	Light Usage 1.2 Liters per Month		Medium Usage 2.4 Liters per Month		Heavy Usage 4.8 Liters per Month	
	PYOS-L100	Cartridge Type	PYOS-L100	Cartridge Type	PYOS-L100	Cartridge Type
Soap Dispenser						
Cost of Soap per Month	\$4.03	\$18.11	\$8.06	\$36.21	\$16.13	\$72.42
Cost of soap per year	\$48.38	\$217.27	\$96.77	\$434.53	\$193.54	\$869.07
Approximate time † till breakeven point	13 Months		6 1/2 Months		3 Months	
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* Total cost of ownership includes total soap consumption for the entire period + initial cost of soap dispenser per unit.

** Saving per unit when choosing MAC soap dispenser vs. cartridge type soap dispenser.

Medium traffic category is highlighted since it includes many applications where electronic soap dispensers are installed.

AUTOMATIC SOAP DISPENSER

PY05-L124

Solid Brass Construction
Dispenses standard liquid soap
Available in 22 finishes



MAC FAUCETS, LLC.

THE LEADER IN DECORATIVE AUTOMATIC FAUCETS, WORLDWIDE!

WWW.MACFAUCETS.COM



Electronic Faucet
Solid Brass. Lead Free
Available in 20+ Finishes



Electronic Soap Dispenser
Solid Brass. Dispenses Standard Bulk Soap
Available in 20+ Finishes

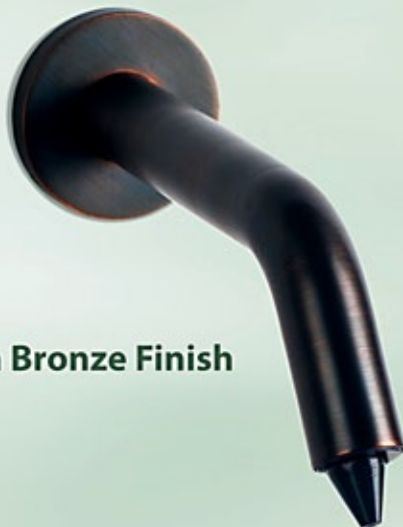


Automatic Toilet Valve
Solid Brass Construction.
Self Cleaning Piston Valve.
Various Gallon Per Flush Options.
Available in 20+ Matching Finishes



Automatic Urinal Valve
Solid Brass Construction.
Self Cleaning Piston Valve.
Various Gallon Per Flush Options.
Available in 20+ Matching Finishes

MAC FAUCETS, LLC.



Venetian Bronze Finish



Satin Nickel Finish

POUR YOUR OWN SOAP with this **SOLID BRASS** electronic sensor soap dispenser, and free yourself from Soap Serfdom. **Competitor's electronic soap dispensers are specifically designed to dispense soaps made by the soap dispenser manufacturer at a heavy premium.** NOT SO with the new MAC Soap Dispenser. *Select the liquid soap of your choice from the vendor of your choice, saving both time and money.*

This patent pending design is capable of dispensing liquid soaps & lotions available *anywhere* soaps and lotions are sold**

- **Freedom to select the soap of your choice from the vendor of your choice**.** *Competitors models require the use of soap which is made by the manufacturer of the soap dispenser.*
- **Solid brass** construction instead of plastic.
- All function adjustments are conducted above the sink with an optional **hand held remote control.**
- Soap bottle is easily installed for **convenience of soap refill.**
- **Available in 20 finishes** to match many bathroom faucets and fixtures, *specially MAC sensor faucets*

	MAC PYOS SYSTEM	COMPETITION USING SOAP CARTRIDGE
Spout Material	Solid Brass	Plastic
Shank and Mounting Hardware	Stainless Steel and Brass	Plastic
Vandal Resistance	High	Low
Matching Finishes	20+ Finishes to Match Faucets	NO
Vessel Sink Installation	Available Option	NO
ADA Compliant 	YES	NO*
Soap or Lotion Selection	Uses Any Liquid Soap or Lotion. Sold Retail or Wholesale**	Must Buy Soap Made by Soap Dispenser Manufacturer. Sold Through Specific Vendors
Function Adjustments	Optional Hand Held Remote Control	Below Sink
Soap Refill (PYOS) VS. Bottle Exchange (Competition)	Convenient Installation Options For Ease of Refill. Requires No Special Skills	Bottle Must Be Installed Right Below Dispenser. Requires Skill to Exchange Soap Cartridge
Soap Pump	Heavy Duty Peristaltic Type Normally Found in Medical Applications	Nylon Piston Type Pump Normally Found in Disposable Consumer Grade Soap Bottles

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**COST OF OWNERSHIP CALCULATION:
MAC FAUCETS PYOS SYSTEM VS.
CARTRIDGE TYPE SOAP DISPENSERS**

MAC FAUCETS, LLC.

THE LEADER IN DECORATIVE AUTOMATIC FAUCETS, WORLDWIDE!

Figures below are based on average use for each usage category, and average advertised retail prices of soaps and soap dispensers. These figures are approximate. Your usage & cost may vary.

Initial cost of soap dispenser in polished chrome finish	MAC Faucets PYOS-L100	Cartridge Type Soap Dispenser
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Cost of soap Liter in each container	\$12.00 per Gallon 3.780 per gallon	\$21.00 per Cartridge 1.600 per cartridge
Cost of soap per liter	Approx. \$3.20 / Liter	Approx. \$13.12 / Liter

Cost of soap figures below are based on 0.8 Milliliter (0.8ML) of soap dispensed per use PLUS soap waste. Soap waste is caused by discarding soap cartridges with soap left in them, or by overfilling soap bottles. Soap waste estimates are: 5% soap waste for MAC PYOS system, 15% soap waste for cartridge type.

Usage	Light Usage 1.2 Liters per Month		Medium Usage 2.4 Liters per Month		Heavy Usage 4.8 Liters per Month	
	PYOS-L100	Cartridge Type	PYOS-L100	Cartridge Type	PYOS-L100	Cartridge Type
Soap Dispenser						
Cost of Soap per Month	\$4.03	\$18.11	\$8.06	\$36.21	\$16.13	\$72.42
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† Breakeven point is the point in time at which the cost of ownership of either soap dispenser, MAC PYOS System or cartridge type, is the same. The months shown in the cells denote the length of time it takes to reach this breakeven point from the date that the item is placed in service. Cost of ownership is discussed in length below.

* Total cost of ownership includes total soap consumption for the entire period + initial cost of soap dispenser per unit.

** Saving per unit when choosing MAC soap dispenser vs. cartridge type soap dispenser.

Medium traffic category is highlighted since it includes many applications where electronic soap dispensers are installed.

AUTOMATIC SOAP DISPENSER

PY05-129

Solid Brass Construction
Dispenses standard liquid soap
Available in 22 finishes



MAC FAUCETS, LLC.

THE LEADER IN DECORATIVE AUTOMATIC FAUCETS, WORLDWIDE!

WWW.MACFAUCETS.COM

new





Electronic Faucet

Solid Brass. Lead Free
Available in 20+ Finishes



Electronic Soap Dispenser

Solid Brass. Dispenses Standard Bulk Soap
Available in 20+ Finishes



Automatic Toilet Valve

Solid Brass Construction.
Self Cleaning Piston Valve.
Various Gallon Per Flush Options.
Available in 20+ Matching Finishes



Automatic Urinal Valve

Solid Brass Construction.
Self Cleaning Piston Valve.
Various Gallon Per Flush Options.
Available in 20+ Matching Finishes

MAC FAUCETS, LLC.



Oil Rubbed Bronze Finish



Satin Nickel Finish

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- All function adjustments are conducted above the sink with an optional **hand held remote control.**
- Soap bottle is easily installed for **convenience of soap refill.**
- **Available in 20 finishes** to match many bathroom faucets and fixtures, *especially MAC sensor faucets*

	MAC PYOS SYSTEM	COMPETITION USING SOAP CARTRIDGE
Spout Material	Solid Brass	Plastic
Shank and Mounting Hardware	Stainless Steel and Brass	Plastic
Vandal Resistance	High	Low
Matching Finishes	20+ Finishes to Match Faucets	NO
Vessel Sink Installation	Available Option	NO
ADA Compliant 	YES	NO*
Soap or Lotion Selection	Uses Any Liquid Soap or Lotion. Sold Retail or Wholesale**	Must Buy Soap Made by Soap Dispenser Manufacturer. Sold Through Specific Vendors
Function Adjustments	Optional Hand Held Remote Control	Below Sink
Soap Refill (PYOS) VS. Bottle Exchange (Competition)	Convenient Installation Options For Ease of Refill. Requires No Special Skills	Bottle Must Be Installed Right Below Dispenser. Requires Skill to Exchange Soap Cartridge
Soap Pump	Heavy Duty Peristaltic Type Normally Found in Medical Applications	Nylon Piston Type Pump Normally Found in Disposable Consumer Grade Soap Bottles

* Competitor's soap dispensers require that the soap bottle is located immediately below soap dispenser. Therefore, when the soap dispenser is installed so it is handicap accessible, the bottle's vertical clearance below the sink prevents wheel chair access and circumvents ADA compliance of hands free operation. It is our opinion that competitor's electronic soap dispensers are not ADA compliant in all installations.

** PYOS is capable of dispensing any liquid soap or lotion found in places such as grocery stores, janitorial supply stores or wherever soap is sold regardless of quantities. **Soap Dispenser is not capable of dispensing heavy cream soaps and lotions, or grit type soap.**



**COST OF OWNERSHIP CALCULATION:
MAC FAUCETS PYOS SYSTEM VS.
CARTRIDGE TYPE SOAP DISPENSERS**



Figures below are based on average use for each usage category, and average advertised retail prices of soaps and soap dispensers. These figures are approximate. Your usage & cost may vary.

Initial cost of soap dispenser in polished chrome finish	MAC Faucets PYOS-L100	Cartridge Type Soap Dispenser
Cost of soap Liter in each container	\$12.00 per Gallon 3.780 per gallon	\$21.00 per Cartridge 1.600 per cartridge
Cost of soap per liter	Approx. \$3.20 / Liter	Approx. \$13.12 / Liter

Cost of soap figures below are based on 0.8 Milliliter (0.8ML) of soap dispensed per use PLUS soap waste. Soap waste is caused by discarding soap cartridges with soap left in them, or by overfilling soap bottles. Soap waste estimates are: 5% soap waste for MAC PYOS system, 15% soap waste for cartridge type.

Usage	Light Usage 1.2 Liters per Month		Medium Usage 2.4 Liters per Month		Heavy Usage 4.8 Liters per Month	
	PYOS-L100	Cartridge Type	PYOS-L100	Cartridge Type	PYOS-L100	Cartridge Type
Soap Dispenser						
Cost of Soap per Month	\$4.03	\$18.11	\$8.06	\$36.21	\$16.13	\$72.42
Cost of soap per year	\$48.38	\$217.27	\$96.77	\$434.53	\$193.54	\$869.07
Approximate time † till breakeven point	13 Months		6 1/2 Months		3 Months	
Total Cost of Ownership 1 st year *	\$288.38	\$227.27	\$336.77	\$494.53	\$433.54	\$929.07
Savings Per Unit 1 st Year of Ownership **		-\$11.12	\$157.77		\$495.53	
Total Cost of Ownership 2 nd year *	\$336.77	\$494.53	\$433.54	\$929.07	\$627.07	\$1,798.14
Savings Per Unit 2 nd Year of Ownership **	\$157.77		\$495.53		\$1,171.07	
Total Cost of Ownership 3 rd year *	\$385.15	\$711.80	\$530.30	\$1,363.60	\$820.61	\$2,667.21
Savings Per Unit 3 rd Year of Ownership **	\$326.65		\$833.30		\$1,846.60	

† Breakeven point is the point in time at which the cost of ownership of either soap dispenser, MAC PYOS System or cartridge type, is the same. The months shown in the cells denote the length of time it takes to reach this breakeven point from the date that the item is placed in service. Cost of ownership is discussed in length below.

* Total cost of ownership includes total soap consumption for the entire period + initial cost of soap dispenser per unit.

** Saving per unit when choosing MAC soap dispenser vs. cartridge type soap dispenser.

Medium traffic category is highlighted since it includes many applications where electronic soap dispensers are installed.