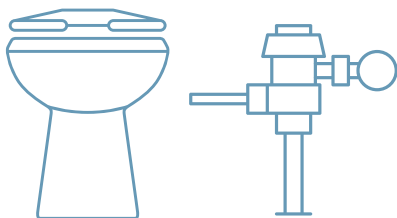


# MAG-SLOAN

## Flushing Systems and Flush Valves



### Any Fixture, Any Flushometers

Most Sloan water closets and urinals can be combined with any Sloan flushometer.

Save on water with superior design, quality and a proven track record of performance from the most trusted name in flushometers.

The broadest offering in the industry no matter what your application, MAG-Sloan has a flushometer and valve solution with the features and performance to suit your needs.

### FEATURES

- Dual and Single Flush Valves
- Concealed and exposed models
- Slimline Exposed, Hydraulic-actuated, low consumption Dual Flush options
- Manual and sensor operation
- Diaphragm and piston models
- Touch Sense Buttons and Push Buttons
- Electronic models
- Urinal Sensor models
- WaterMark and WELS approved
- Specialty needs available: - Prison – Programmed Water Technology (PWT)  
- Bed pan washers – Special finishes
- 12 month warranty

### BENEFITS

- Water re-use applications
- Deliver a complete flush and refill – immediately ready for repeat operation
- Flush under pressure, more efficiently cleanse the fixture
- Easily operated - press handle in any direction
- Flush valves retrofit/changeover to suit old models
- Meets ADA requirements
- Vandal resistant
- Compact, requiring little space, easy to install, in wall or in ceiling
- Reliable performance in any conditions
- Widest range for all applications taking into consideration number of users and traffic patterns of restrooms, user expectations for convenience and aesthetic appeal of projects
- Unequaled in low maintenance costs
- Can be electronically operated



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Quality • Reliability • History • Expertise • Accept no substitute

# Retrofit and Changeover

Older flush valve models and parts are no longer available\* and with the age of these older brands, even replacing washers is a short-term temporary fix!

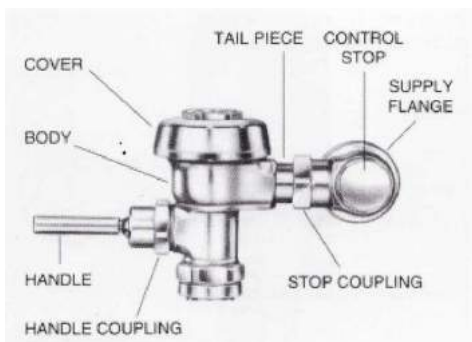
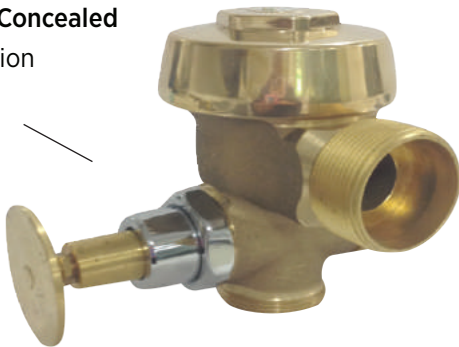
Sloan Changeover valves are the best long-term solution to retrofit to all old models - they couple easily and seamlessly to the existing older model stop valve. Choose from Concealed, Exposed, 'Slimline' Exposed, Hydraulic and low water consumption dual flush options.

It's never been easier for retrofit projects, office and bathroom refurbishments for building owners, engineers and facility managers to create a hygienic, hands-free experience.

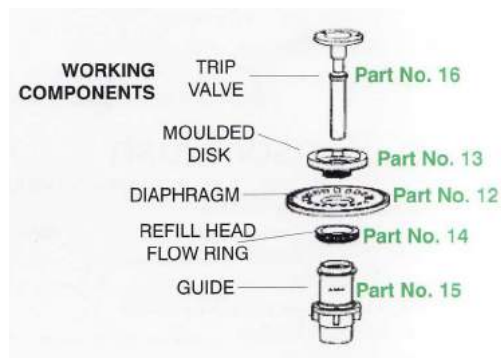
## Valve Body is:

- Heavy-duty brass and corrosion resistant
- Compact size and design
- Same body for closet and urinal
- Works with a variety of fixtures

Manual **Concealed**  
Conversion  
Flusher



Manual **Exposed**  
Conversion  
Flusher



\*Apart from basic washer kits for Hush and Gloria old flushers.

Gloria • Hush • Unibra  
Pubco • Zurn • Dorf • Ideal  
All other older valve brands

Easy – simply change over  
to Sloan Flushers

**SLOAN**



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Concealed Flush Valve – Body only	Product Code
Sloan to Gloria, All Models & Dorf Flush Valve	42026/G
Sloan to Hush/Master Flush Valve	42026/H
Sloan to Unibra Flush Valve	42026/U
Sloan to Pubco Flush Valve	42026/P
Sloan to Zurn Aquaflush Flush Valve	42026/Z



Exposed Flush Valve – Body only	Product Code
Sloan to Gloria, All Models & Dorf Flush Valve	42027/G
Sloan to Hush/Master Flush Valve	42027/H
Sloan to Unibra Flush Valve	42027/U
Sloan to Pubco Flush Valve	42027/P
Sloan to Zurn Aquaflush Flush Valve	42027/Z



For Dual Flush with Green Handle (optional Chrome Handle available)	42060 GHUP
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Sloan to <b>“Slimline” Exposed</b> Flush Valve	42029/GHUP
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Hydraulic Concealed Flush Valve – Body only	Product Code
Sloan to Gloria, All Models & Dorf Flush Valve	42028/G
Sloan to Hush/Master Flush Valve	42028/H
Sloan to Unibra Flush Valve	42028/U
Sloan to Pubco Flush Valve	42028/P
Sloan to Zurn Aquaflush Flush Valve	42028/Z



Hydraulic Concealed with Dual Flush Buttons	Product Code
Sloan Retrofit Dual Flush complete with two hydraulic buttons (not including Panel – available as Accessory) To suit Gloria, Hush, Unibra, Zurn.	42058/GHUZ
<ul style="list-style-type: none"> <li>• Minimum pressure: 30kPa</li> <li>• Maximum pressure: 300kPa</li> <li>• Flush Volume: 6/3 Litres Standard (optional 4.5/2.2L Litre)</li> </ul>	

# Dual Flushing Systems



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## Dual Flushing Systems:

- Concealed or exposed models
- Suitable for mains or tank pressure installation
- Hydraulic, manual and electronic operation (contact us for details of electronic dual flush valves)
- Interchangeable flushing volumes - 6/3 Litre Standard (optional 4.5/2.2L Litre)
- Easy to retrofit from an old flushing system (i.e. Gloria, Hush, Unibra etc.)
- Deliver a complete flush and refill - and are immediately ready to repeat the operation
- Require little space and are easy to install
- Provide reliable performance conditions
- Dual filter diaphragm available
- Flush under pressure, thus more efficiently cleanse the fixture
- Concealed systems can be installed behind the button panel or in the ceiling space
- Low maintenance costs
- Typical applications: commercial, airports, stadiums, healthcare, hospitality, educational, industrial, correctional, prison, residential, apartments
- Choice of Panels and Buttons available as optional accessory - see page 9

### Concealed, Hydraulic Dual Flush Valves

Sloan hydraulic flushometers feature a push-button actuator that uses line water pressure to actuate the valve, and it can be located remotely from the valve itself, making these ideal for difficult installations.



**Product Code:** 42055M – Mains Pressure

Sloan 950 Dual Flush valve complete with 25mm stopcock, flush pipe nut, vacuum breaker and 2 hydraulic flush buttons.



**Product Code:** 42056L – Tank Fed Pressure

Sloan 950 Dual Flush valve complete with 40mm stopcock, flush pipe nut and 2 hydraulic flush buttons.



**Product Code:** 42058 Retrofit/Conversion Flush valve:

Sloan 950 to suit Gloria, Hush, Unibra & Zurn. Comes with 2 hydraulic flush buttons.

### Exposed Dual Flush Valves



**Product Code:** 42050M – Mains Pressure

Sloan 121 Chrome Exposed Dual Flush valve complete with green handle (chrome handle option available).

**Product Code:** 42051L – Tank Fed Pressure – As above



**Product Code:** 42060

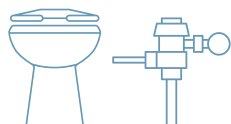
Sloan Retrofit/Changeover Chrome Exposed Dual Flush Valve - suits Gloria, Hush, Unibra, Zurn, Dorf and Ideal.



**Product Code:** 42056H

Sloan Dual Flush "Uppercut" Handle Only – suitable for retrofitting to existing Sloan exposed chrome plated flush valves. Supplied with two signs. Also suits Zurn Flush Valves.

- Cost-conscious way to save water by upgrading to UPPERCUT® handles
- The two flush option helps reduce water volume by up to 30 percent
- Lift up for reduced litres per flush
- Push down for standard litres per flush
- Includes instructional wall plates



#### Any Fixture, Any Flushometers

Most Sloan water closets and urinals can be combined with any Sloan flushometer.

# Single Flushing Systems



## Single Flushing Systems:

- Concealed or exposed models
- Suitable for mains or tank pressure installation
- Hydraulic, manual and electronic operation (contact us for details of electronic single flush valves)
- Applicable for toilets or urinals
- Interchangeable flushing volumes - 6/3 Litre Standard (optional 4.5/2.2L Litre)
- Easy to retrofit from an old flushing system (i.e. Gloria, Hush, Unibra etc.)
- Deliver a complete flush and refill - and are immediately ready to repeat the operation
- Require little space and are easy to install
- Provide reliable performance conditions
- Dual filter diaphragm available
- Flush under pressure, thus more efficiently cleanse the fixture
- Concealed systems can be installed behind the button panel or in the ceiling space
- Low maintenance costs
- Typical applications: commercial, airports, stadiums, healthcare, hospitality, educational, industrial, correctional, prison, residential, apartments
- Choice of Panels and Buttons available as optional accessory - see page 9

### Concealed, Hydraulic Single Flush Valves

- Featuring push-button activation. Metal button panel mount actuator
- Quiet, concealed, diaphragm type flushometer for Floor Mount or Wall Hung Water Closets



Product Code	Description	Pressure Type
42001M	Sloan 950 Hydraulic Concealed W.C. Flush Valve with Black Button	Mains Pressure
42106M	As above with Chrome Button	Mains Pressure
42006L	Sloan 950 Hydraulic Concealed W.C. Flush Valve with Black Button	Tank Fed Pressure
42108L	As above with Chrome Button	Tank Fed Pressure
42013M	Sloan 955 Hydraulic Concealed Wall Hung Urinal Flush Valve with Black Button	Mains Pressure
42110M	As above with Chrome Button	Mains Pressure
42021L	Sloan 955 Hydraulic Concealed Wall Hung Urinal Flush Valve with Black Button	Tank Fed Pressure
42114L	As above with Chrome Button	Tank Fed Pressure
Please specify if used for slab type urinal.		

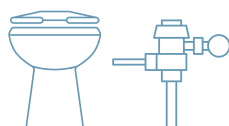


Product Code	Description	Pressure Type
42129M	Sloan 152 Concealed W.C. Flush Valve with 7 ½ push rod ass	Mains Pressure
42130L	Sloan 152 Concealed W.C. Flush Valve with 7 ½ push rod ass	Tank Fed Pressure
42132M	Sloan 152 Concealed Wall Hung Urinal Flush Valve with 7 ½ push rod ass	Mains Pressure
42131L	Sloan 152 Concealed Wall Hung Urinal Flush Valve with 7 ½ push rod ass	Tank Fed Pressure
Please specify if used for slab type urinal.		

### Exposed Single Flush Valves



Product Code	Description	Pressure Type
42004M	Sloan 121 Chrome Exposed W.C. Single Flush Valve	Mains Pressure
42125L	Sloan 121 Chrome Exposed W.C. Single Flush Valve	Tank Fed Pressure
42016M	Sloan 180 Chrome Exposed Wall Hung Urinal Flush Valve	Mains Pressure
42126L	Sloan 180 Chrome Exposed Wall Hung Urinal Flush Valve	Tank Fed Pressure
Please specify if used for slab type urinal.		



#### Any Fixture, Any Flushometers

Most Sloan water closets and urinals can be combined with any Sloan flushometer.

# Concealed, Sensor Single Flush Valve



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Concealed sensor flushometers provide a clean look and help prevent tampering/vandalism.

Sloan's electronic solenoid sensor (ESS) flushometers provide the ultimate in sanitary protection and automatic operation. The flushometer operates by means of an infrared sensor that adapts to its surroundings. Once the user enters the sensor's effective range and then steps away, the flushometer solenoid initiates the flushing cycle.

- With In Wall/In Ceiling recessed infra-red sensor included
- Flush Volume: 6/3 Litre Standard (optional 4.5/2.2L Litre)



Product Code	Description	Pressure Type
42139M	Sloan 152ES-S Concealed Sensor Water Closet Flush Valve with infra-red 150x150mm panel included	Mains Pressure
42051M	Sloan 152ES-S Concealed Sensor Water Closet Flush Valve with infra-red 300x300mm panel included	Mains Pressure
42140L	Sloan 152ES-S Concealed Sensor Water Closet Flush Valve with infra-red 150x150mm panel included	Tank Fed Pressure
42005L	Sloan 152ES-S Concealed Sensor Water Closet Flush Valve with infra-red 300x300mm panel included	Tank Fed Pressure



42143M	Sloan 195ES-S Concealed Sensor Wall Hung Urinal Flush Valve with infra-red 150x150mm panel included	Mains Pressure
42042M	Sloan 195ES-S Concealed Sensor Wall Hung Urinal Flush Valve with infra-red 300x300mm panel included	Mains Pressure
42144L	Sloan 195ES-S Concealed Sensor Wall Hung Urinal Flush Valve with infra-red 150x150mm panel included	Tank Fed Pressure
42020L	Sloan 195ES-S Concealed Sensor Wall Hung Urinal Flush Valve with infra-red 300x300mm panel included	Tank Fed Pressure





### Wall Panels

- Sleek attractive wall plates
- Satin finish stainless steel
- Designer Push in and Standard Push Buttons
- Easy to push-less than 5lbf/22N
- Built to last

- Work in a variety of low and high pressure environments
- Work on both washdown and siphon jet fixtures
- Deliver accurate flushometer water savings
- Competitively priced

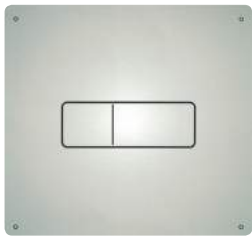
Please specify the valve, button and panel separately.

### Dual Flush Panels

#### Designer Panels



DFDP 210/150



DFDP 300/300

#### Standard Panels



DFSP 310/100



DFSP 300/300



DFSP 175/100



DFSP 175/175

### Single Flush Panels

#### Designer Panels



SFDP 210/150



SFDP 300/300



SFSP 310/100



SFSP 300/300



SFSP 175/100



SFSP 175/175

Technical Plumbing Requirements for Dual & Single Flush System:	Mains Pressure	Tank Fed Pressure
Minimum water supply pressure	150kPa	40kPa
Maximum water supply pressure	600kPa	300kPa
Minimum Flow Rate at the valve	1 L/second	1 L/second
Stop valve inlet	25mm BSP	40mm BSP
Flush valve outlet	40mm BSP	40mm BSP

Space Requirements for Dual & Single Flush System:	Dual Flush	Single Flush
Minimum Wall Cavity	140mm deep	90mm deep
Minimum width of assembly	270mm wide	270mm wide
Minimum height of assembly	200mm height	200mm height

# TruFlush Flushing Systems - Save water and reduce flooding

The Sloan TruFlush high efficiency flushing system delivers the prescribed flush volume of water each time to help solve this problem of wasted water.

And, with a compact, narrow valve body, TruFlush is ideal for both new constructions or as a retrofit to existing plumbing systems.

With innovative engineering, quality materials and expert workmanship, TruFlush not only saves water, it has fewer parts and fewer problems – making it simple to install, easy to maintain and built to last.



### Manual Flushometer

Manual easy to push button activation for simple control.



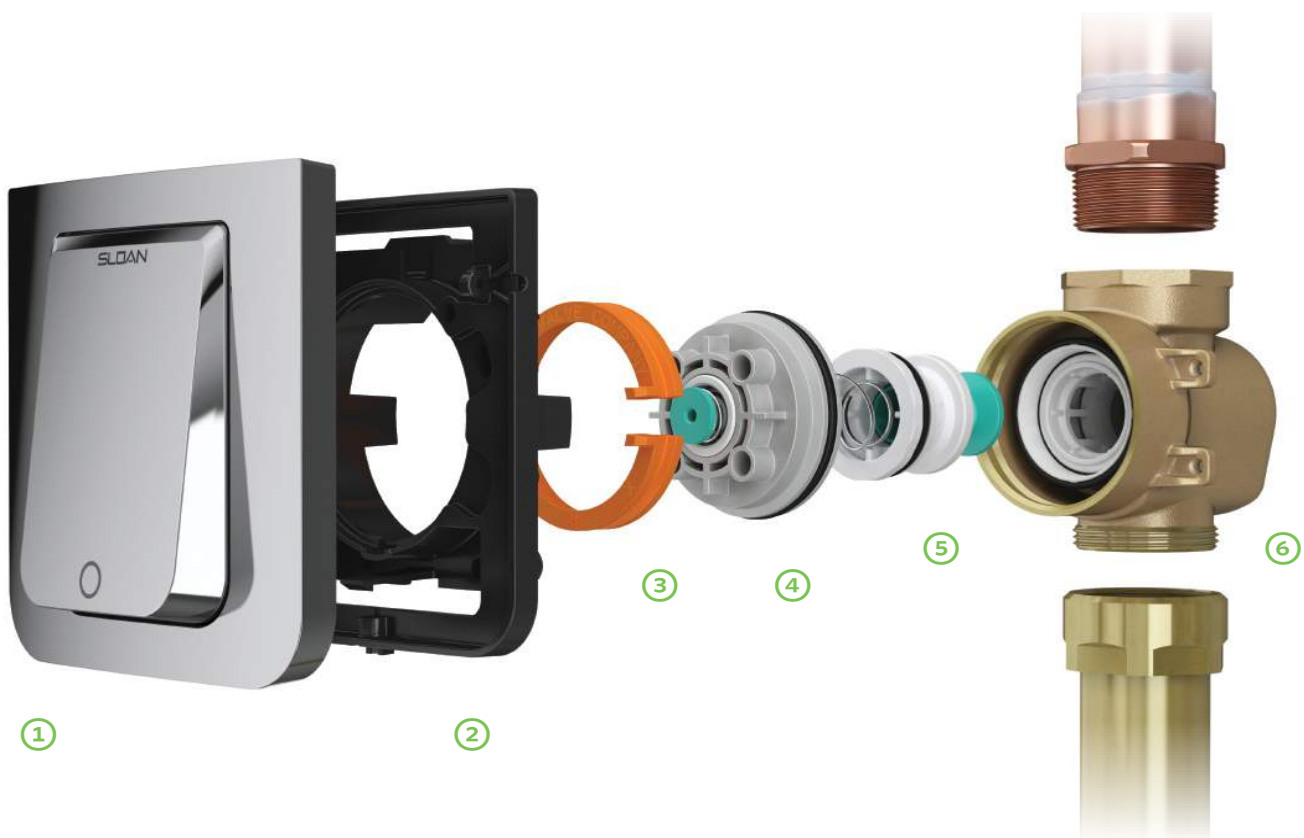
### Sensor Flushometer

Advanced infrared technology that delivers hygienic, hands-free performance.

## BENEFITS

- **Water savings and Flood prevention** – accurate, high-efficiency flush volume delivers the prescribed volume of water each time. Plus, the flood prevention feature can reduce the water flow rate by up to ten times, from as much as 75 litres per minute, down to only 7.5 if button held. Trickle of water will not overwhelm the fixture.
- **Accuracy per flush.** Compared to the commonly used valve that simply opens and closes, TruFlush reliably controls the amount of water used. Sloan's piston technology provides a consistent flush volume for pressures from 70kPa to 700kPa.
- **Multiple activation methods** - manual with an easy to push button and sensor with advanced infrared technology for hygienic, hands-free performance.
- **Beautifully designed, built to last.** Chrome-plated, corrosion and vandal resistant wall plate (no visible screws) with easy to push button is sleek and simple in design.
- **Varying flush volume and variety of flush connections.** Concealed shut off sleeve adjusts flow rate. Plunger is color coded to indicate flush volume.
- **Compact, narrow valve size and design** – ideal for new and retrofit projects. Heavy duty brass. Same body for closet and urinal. Features integrated control stop to turn on/off water.
- **Fewer parts, fewer problems.** Maintenance is a breeze - parts including replaceable piston assembly are easily accessible through the front wall plate and are designed to minimize leaking.
- **Simple installation** - with the ability to shut off water and replace parts in minutes, all through the wall plate.

### Anatomy of the TruFlush Flushometer



#### 1. Wall Plate & Button

The chrome-finished, wall plate design is sleek, simple, vandal-resistant and built to last.

#### 4. Activation Assembly

The activation assembly is used to adjust the water flow rate and is easily accessible through the wall plate.

#### 2. Bracket

The bracket is easy to install with just three screws needed for mounting.

#### 5. Piston

Sloan's proven piston technology is the heart of the flushometer and accurately controls the flush volume.


#### 3. Safety Ring


During maintenance and installation, the safety ring securely locks the internal components in place.

#### 6. Valve Body

The heavy-duty brass and corrosion-resistant valve body houses the internal components and works with a variety of flush connections.

### TruFlush Flushometer Products

Manual	MAG Product Code	Fixture Type	Flush Volume
	TRF 156-1.6	Closet	Low Consumption – 6.0 Litres p/flush
	TRF 156-1.28	Closet	High Efficiency – 4.8 Lpf
	TRF 196-0.5	Urinal	High Efficiency – 1.9 Lpf
	TRF 196-0.25	Urinal	High Efficiency – 1.0 Lpf
	TRF 196-0.125	Urinal	High Efficiency – 0.5 Lpf

Sensor-Activated	MAG Product Code	Fixture Type	Flush Volume
	Battery <sup>1</sup>		
	TRF 8156-1.6	Closet	Low Consumption – 6.0 Litres p/flush
	TRF 8156-1.28	Closet	High Efficiency – 4.8 Lpf
	TRF 8196-0.5	Urinal	High Efficiency – 1.9 Lpf
	TRF 8196-0.25	Urinal	High Efficiency – 1.0 Lpf
	TRF 8196-0.125	Urinal	High Efficiency – 0.5 Lpf
	Hardwired <sup>2</sup>		
	TRF 156-1.6 ESS	Closet	Low Consumption – 6.0 Litres p/flush
	TRF 156-1.28 ESS	Closet	High Efficiency – 4.8 Lpf
	TRF 196-0.5 ESS	Urinal	High Efficiency – 1.9 Lpf
	TRF 196-0.25 ESS	Urinal	High Efficiency – 1.0 Lpf
	TRF 196-0.125 ESS	Urinal	High Efficiency – 0.5 Lpf

<sup>1</sup> Battery version – 4 AA alkaline batteries- 3 years at 4000 flushes/month – Infrared sensor with multiple focused sensing for high and low target detection. Self-adaptive sensor, electronic override button and Low battery indicator light.

<sup>2</sup> Hardwired version – 6 VAC/9 VDC input with 4 AA alkaline battery back-up – Standard Sloan transformer (EL-386 or EL-451) sold separately – Infrared sensor with multiple focused sensing for high and low target detection. Self-adaptive sensor, electronic override button and Low battery indicator light.

**Note:** Metal wall plate variation also available.



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# Flush Valves v Cistern Tanks

With SLOAN flush valve installations, water flows under the pressure from the supply piping directly to the fixture (toilet).

Any combination of influencing elements, such as toilet traffic, water quality and operating system, may tip the scale in favour of flush valve over the cistern.

In commercial applications, it is the use of the pressurized water supply that gives the flush valve a performance advantage over a cistern toilet. In a cistern toilet, the water used for the flush is first accumulated in the tank. The water flows by gravity into the toilet bowl when the toilet is flushed. The energy behind the flush is created by the weight of the water in the cistern.

Because SLOAN flush valves rely on the pressure and flow from the supply piping, there is more strength and energy behind the flush - important in commercial applications.

Flush valves also reset much faster than gravity toilets (there is no refill time), another important requirement in a commercial installation. In high traffic situations, the technology can accommodate the quick recovery needed to immediately flush again – required in hospitals, schools, sports stadiums, etc.

SLOAN flush valves also cope better with water quality issues than cisterns. SLOAN flush valves are very low maintenance products. Spare parts are available and volume of flush can be changed by swapping a couple of internal components. Internal as well as external parts are designed for longevity and performance. Parts are easily accessible and interchangeable.

Benefit	Flush Valve	Cistern Tank	Comment
Reset Time	5-7 seconds	40-50 seconds	<b>Flush Valve</b> available in as little as 5 seconds after flush – 9 times faster than cistern tank  Flush Valve much faster cycle time vs. tanks
Fixture Cleansing	Pressure assists in cleansing bowl, delivers a complete flush	Gravity weaker cleansing power	<b>Flush Valve</b> – superior in cleaning performance
Drain Line Carry	Pressure assists in drain line carry	Gravity weaker in drain line carry	<b>Flush Valve</b> – superior in drain line carry = will transport waste further
Applications	Designed for Commercial applications	Designed for Residential applications	<b>Flush Valve</b> – satisfies largest range of installation applications and styles  Best solution for high demand, multiple usage requirements and high end water efficiency
Installation and Maintenance	Easy installation & maintenance / repair	Tanks harder to maintain and more difficult to service	<b>Flush Valve</b> – unequalled in low maintenance costs

Technical Plumbing Requirements for Dual & Single Flush System	Mains Pressure	Tank Fed Pressure
Minimum water supply pressure	150kPa	40kPa
Maximum water supply pressure	600kPa	300kPa
Minimum Flow Rate at the valve	1 L/second	1 L/second
Stop valve inlet	25mm BSP	40mm BSP
Flush valve outlet	40mm BSP	40mm BSP

Space Requirements for Dual & Single Flush System	Dual Flush	Single Flush
Minimum Wall Cavity	140mm deep	90mm deep
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