

EcoFlush B8106

EcoFlush B8106 Pressure Assisted Toilet Flush System Instruction Manual

Model: B8106 | Brand: EcoFlush

1. INTRODUCTION

The EcoFlush B8106 is a pressure-assisted flush system designed to enhance toilet performance and promote water conservation. This patented technology utilizes supply line water pressure, storing it within an engineered pressure vessel. Upon activation of the flush handle, a high-pressure water flow is discharged into the toilet bowl, facilitating an ultra-efficient and powerful flush. This system is engineered to reduce water usage, contributing to environmental sustainability.

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your EcoFlush B8106 unit.

2. COMPATIBILITY

The EcoFlush B8106 system is specifically designed for use with certain pressure-assisted toilets. It serves as a compatible replacement for units that previously utilized or are compatible with EcoFlush B8100 or B8106 models, as well as specific Sloan Flushmate models.

Compatible Toilet Brands:

- American Standard
- Crane Plumbing
- Foremost
- Gerber
- Mansfield
- Zurn

Compatible Sloan Flushmate Models:

- M-101526-F3HGK
- M-101526-F3HMK
- M-101526-F3HCK

Note: This unit is a Left Hand Unit. If a Right Hand Unit is required, please order model B8106-06R Flush Control Valve.





● Compatible with the EcoFlush B8100 ● Compatible with the EcoFlush B8104 ● Compatible with the EcoFlush B8106		
Model Number	Manufacturer	Model Description
EF-21-302		Ultra Flush Round 1.1 GPF ●
EF-21-304		Ultra Flush Round 1.1 GPF ●
EF-21-310		Ultra Flush EL Back Outlet 1.1 GPF ●
EF-21-312		Ultra Flush EL 1.1 GPF ●
EF-21-314		Ultra Flush EL 1.1 GPF ●
EF-21-318		Ultra Flush EL ADA 1.1 GPF ●
EF-21-324		Ultra Flush EL ADA 1.1 GPF ●
EF-21-325		Ultra Flush EL Back Outlet 1.1 GPF ●
DF-21-302		Ultra Dual Flush Round ●
DF-21-304		Ultra Dual Flush Round ●
DF-21-310		Ultra Dual Flush Round EL Back Outlet ●
DF-21-312		Ultra Dual Flush EL ●
DF-21-314		Ultra Dual Flush EL ●
DF-21-318		Ultra Dual Flush Elongated ●
DF-21-324		Ultra Dual Flush EL ADA ●
DF-21-325		Ultra Dual Flush EL ADA Back Outlet ●
144-119		Ecoquantim Dual Flush EL ●
146-119		Ecoquantim Dual Flush RD ●
147-119		Ecoquantim Dual Flush EL ●
148-119		Ecoquantim Dual Flush EL ●
149-119		Ecoquantim Dual Flush EL Back Outlet ●
Z5560		EcoVantage 1.6 ADA Elongated ●
Z5570		EcoVantage 1.6 Elongated ●
Z5575		1.6 GPF Round ●
Z5571		EcoVantage 1.1 GPF Elongated ●
Z5576		EcoVantage 1.1 GPF Round ●
Z5561		EcoVantage 1.1 ADA Round ●
Z5562		EcoVantage 1.1 ADA Elongated ●
Z5572		EcoVantage Dual Elongated ●
Z5577		EcoVantage Dual Round ●
2878.016		Yorkville 1.6 GPF Right Height ●
2878.100		Yorkville 1.1 GPF Right Height 16.5" EL ●
2876.100		Yorkville 1.1 GPF 15" Height EL ●
2876.016		Yorkville 1.6 GPF 15" EL ●
2467.100		Cadet 1.1 GPF 16.5" EL ●
2467.016		Cadet 1.6 GPF 16.5" EL ●
2462.100		Cadet 1.1 GPF 15" EL ●
2462.016		Cadet 1.6 GPF 15: EL ●



Image: Compatibility chart showing various toilet models from Gerber, Mansfield, Zurn, and American Standard that are compatible with EcoFlush B8100, B8104, and B8106 systems.

	Sloan Models	vs.	EcoFlush Models
Dual Flush (1.6/1.1 GPF)	No Equivalent		B8100
Single Flush (1.6 GPF)	M-101526-F3		B8106/B8106S
Single Flush (1.0 GPF)	M-101526-F4		B8104
Single Flush (1.28 GPF)	M-101523-F3H1		No Equivalent

1.6 Gallons Per Flush

Kohler Models	 M-101526-F3	 B8106/B8106S 
K-3505 Wellworth EL		
K-3554 Barrington EL		
K-3493 Highline EL		
Gerber Models		
21-311 Ultra Flush EL		
21-310 Ultra Flush EL		
21-312 Ultra Flush EL		
21-314 Ultra Flush EL		
21-300 Ultra Flush RD		
21-302 Ultra Flush RD		
21-304 Ultra Flush RD		
21-317 Ultra Flush EL Raised		
21-318 Ultra Flush EL Raised		
21-319 Ultra Flush EL Raised		
21-324 Ultra Flush EL Raised		
Mansfield Models		
148-123 Quantum EI Raised		
146-123 Quantum RD		
144-123 Quantum EL		
147-123 Quantum EL		
149-123 Quantum EL		

1.0/1.1 Gallons Per Flush

EXERGIS Models	 M-101526-F4	 B8104 or B8106* 
N2310RB ACQUAMENOS		
PROFLO Models		
PF 1603PAWH EL Raised		
PF 1606PAWH PROFLO Raised		
PF 1605PAWH PROFLO EL		
PF 1600PAWH PROFLO RD		
PF 1604PAWH PROFLO RD		
PF 1601PAWH PROFLO EL		
Western Pottery Models		
422PF-1 Wrangler One RD		
472PF-1 Wrangler One EL Raised		
432PF-1 Wrangler One EL		
Kohler Models		
K-3531 Wellworth EL		
K-35278 Barrington EL Raised		
K-3519 Highline EL Raised		
CONTRAC Models		
5721BOY Chane EL Raised		
5722BOY Cleo EI Raised		
VITRA Models		
EVERGREEN		
Corona Models		
02707 Cyclone Ultra EL		
Mansfield Models		
146-153 QuantumOne RD		
147-153 QuantumOne EL		
148-153 QuantumOne EL Smart Ht		
144-153 QuantumOne EI		
COPPERFIT Models		
PAT 165-100 Winfield EL Push Button		
KOOHOO Models		
T-3051 Push Button EL		

*B8106 may also be used but this will increase your water consumption to 1.6 GPF

Image: Extended compatibility chart detailing Sloan Flushmate models and various toilet models from Kohler, Sloan, and other brands compatible with EcoFlush B8106, B8106S, B8104, and B8100 systems.

3. SETUP AND INSTALLATION

The EcoFlush B8106 is designed for straightforward drop-in replacement. Ensure all necessary hardware is present before beginning installation.

Installation Steps:

1. **Preparation:** Turn off the water supply to the toilet and flush to empty the tank. Remove the old flush system.
2. **Handle Control Unit:** It is recommended to install the handle control unit while the main EcoFlush unit is still loose in the tank. Align the main unit with the tank opening, engaging a thread or two, then install and secure the handle control unit. This can prevent difficulties encountered if the main unit is fully tightened first.
3. **Positioning the Unit:** Carefully lower the EcoFlush B8106 unit into the toilet tank. Ensure it is properly seated and aligned with the tank opening.
4. **Securing the Unit:** Tighten the tank mount bolts with a wrench. Apply firm but gentle pressure to prevent overtightening, which could damage the porcelain.
5. **Water Intake Port:** Securely tighten the water intake port with a wrench. This is crucial for preventing leaks, especially given the pressurized nature of the system. Ensure the gasket is properly seated and compressed.
6. **Connecting Lines:** Attach the two lines from the flush system to their respective connections. The unit typically comes with components zip-tied for convenience, ensuring all parts are in alignment.
7. **Water Supply:** Once all connections are secure, slowly turn the water supply back on and check for any leaks.

Special Considerations for Gerber Toilets:

For Gerber toilet installations, there may be limited space between the bladder and the tank wall for the flush handle installation. It might be necessary to carefully shave a few threads off the handle spud to ensure a proper fit. Use a sharp knife for this modification to avoid damaging the plastic handle spud.



Image: Front view of the EcoFlush B8106 pressure-assisted flush system, showing the main vessel and connection points.



Image: Side view of the EcoFlush B8106 system, highlighting the water inlet and outlet connections.



Image: Top view of the EcoFlush B8106 unit, displaying the product label with model number and serial number information.

4. OPERATING INSTRUCTIONS

The EcoFlush B8106 system features a "Feathertouch flushing activation" for ease of use and a "Powerful Flushing System" for effective waste removal.

Flushing the Toilet:

- Gently press or push the flush handle downwards. The system is designed for a light touch.
- The pressure-assisted mechanism will activate, releasing 1.6 gallons (6 Lpf) of water into the bowl for

a complete and efficient flush.

- Allow the tank to refill completely before attempting another flush.

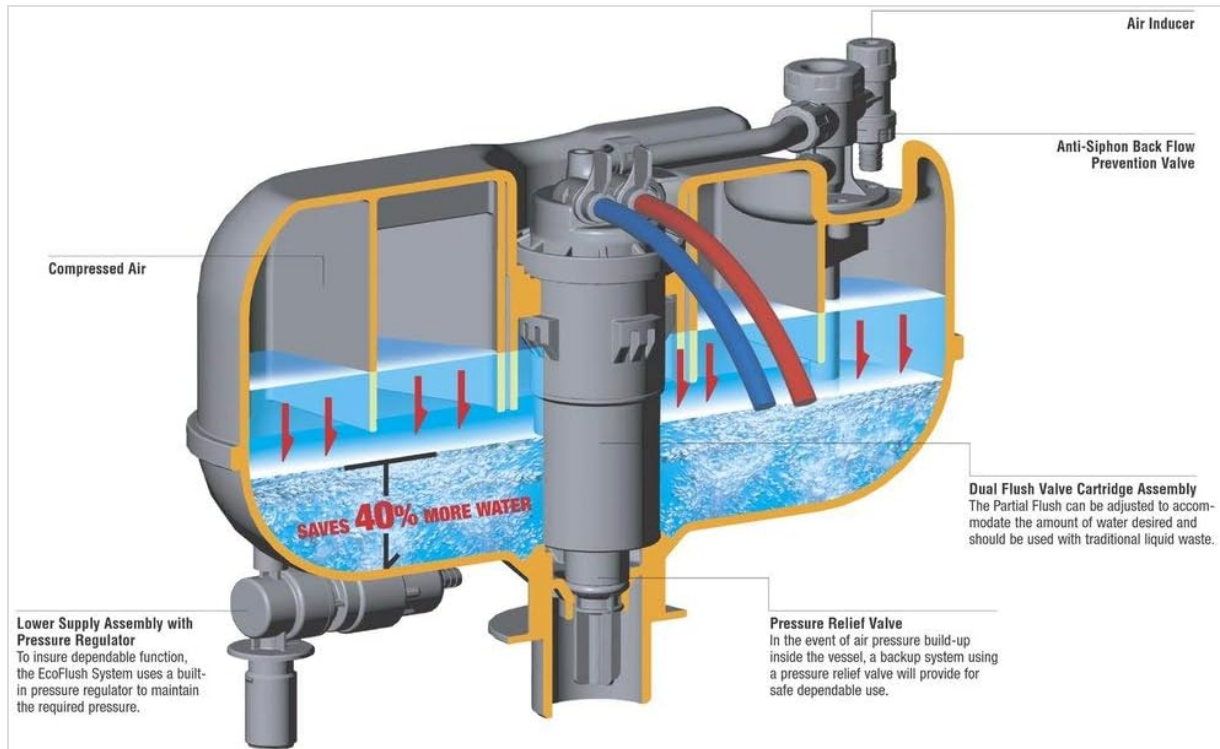


Image: Cross-sectional diagram illustrating the internal components and operational principle of the EcoFlush system, including compressed air, lower supply assembly with pressure regulator, anti-siphon backflow prevention valve, and pressure relief valve.

5. MAINTENANCE

The EcoFlush B8106 is designed for durability and minimal maintenance. Regular cleaning of the toilet bowl and exterior is recommended to maintain hygiene and appearance.

General Care:

- Avoid using harsh chemical cleaners or in-tank drop-in tablets, as these can damage the internal components of the flush system and may void the warranty.
- For cleaning the toilet bowl, use standard toilet bowl cleaners and a brush.
- Periodically inspect the connections for any signs of wear or leaks.

6. TROUBLESHOOTING

This section addresses common issues that may arise with your EcoFlush B8106 system.

Common Issues and Solutions:

- **Leaking from Tank Seal:**

If water is leaking from the tank seal, ensure the tank mount bolts are sufficiently tightened. While avoiding overtightening that could damage porcelain, they should be more than finger-tight. Also, verify that the water intake port is firmly wrenched to ensure the gasket is properly sealed.

- **Handle Not Fitting (Gerber Toilets):**

As noted in the installation section, some Gerber toilets may have clearance issues for the handle spud. If the handle does not fit, carefully trim a few threads from the plastic handle spud using a sharp knife to allow for proper installation.

- **Loud Flushing Noise:**

Pressure-assisted flush systems are inherently more powerful and can produce a louder flushing sound compared to gravity-fed toilets. This is generally a characteristic of the system and not an indication of a malfunction.

- **Reduced Flush Performance:**

Ensure the water supply valve is fully open. Check for any obstructions in the toilet bowl or trapway. If the issue persists, inspect the internal components for any visible damage or blockages. Turn off the water supply and flush the unit before servicing.

7. SPECIFICATIONS

Feature	Detail
Model Number	B8106
Water Consumption	1.6 Gallons per Flush (6 Lpf)
Item Weight	8.8 pounds
Package Dimensions	19.09 x 15.16 x 8.03 inches
Unit Size	11.02" H x 15" W x 6.14" T
Color	Black
Maximum Pressure	12 Pound per Square Inch
Certifications	CSA, cUPC
Batteries Required	No
Manufacturer	EcoFlush

8. WARRANTY AND SUPPORT

EcoFlush products are known for their quality and customer support. The B8106 system typically comes with a comprehensive warranty, with some users reporting a 10-year warranty period on previous models. For technical assistance, warranty claims, or further information, please refer to the official EcoFlush website or contact their technical support team. Following the enclosed installation instructions closely is recommended to ensure satisfaction and maintain warranty validity.

Official EcoFlush Information Page: <https://wdiecoflush.com/pages/ecoflush>