

Zenith FlushMaster[®] Standard and Pearl

Water Saving Urinal Flushing Systems



WS002 Surface Mount.



WS003 MKII, WS004 Pearl and latching valve

Features

- One of the world's most effective urinal flushing systems
- Variable flush cycle to meet your needs precisely
- Caters for long slab troughs and wall – hung urinals
- Choice of surface mounted sensor
- Choice of wall ceiling recessed sensors – 64mm cut/out & 105mm cut/out
- FlushMaster comes complete with ceiling sensor, latching valve, 6V Battery and brass fittings with Restrictaflow.
- Optional power pack for connection to 220-240 volt AC power
- Zero WELS rating



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Product Selection Chart

Zenith Model	Order Code	Sensor	Ceiling Mount Diameter (mm)	Surface Size W x D x H (mm)	Power
Zenith FlushMaster WS002	40090NZ	Surface		130 x 60 x 90	Battery
Zenith FlushMaster MK II WS003	41095NZ	Ceiling	ø128 w/ ø105 cut out		Battery
Zenith FlushMaster Pearl WS004	41091NZ	Ceiling	ø80 w/ ø64 cut out		Battery

Technical Features

- One of the world's most effective ceiling recessed urinal flushing systems.
- Pays for itself in water savings.
- Can be adjusted to suit any local authority water saving requirements.
- Variable flush cycle to meet your needs precisely.
- Adjustable time selector for flush delay.
- Maximum 30 minutes for WS003 & WS004, 15 minutes for WS002.
- Battery operated for relatively simple installation.
- 0 Star WELS rated. When correctly installed can deliver 1.1 L per flush.
- Optional power pack for connection to 220-240 volt AC power is preferred.

Technical Details

Type of sensor: Passive infrared.
 Coverage: Covers multiple urinals with a detection range of 3.6m. Rotating the sensor changes the sensor coverage field accordingly.
 Operation: Adjustable time selector for flush delay and cistern fill cycles and automatic janitor flush every twelve hours when the urinal is not in use.
 Operating pressure: 100 to 700kPa.

Housing:

FlushMaster Standard-White Powder Coated metal downlighter style housing. Exposed face on ceiling = ø128mm.
 Cut mounting hole size on ceiling = ø105mm.
 Pearl Compact Sensor-Plastic housing. Exposed face on ceiling = ø80mm.
 Cut mounting hole size on ceiling = ø64mm.
 Latching valve: 6 volt.

Optional Extras

Airbreak for Direct Injection: Must be installed to recommended heights to properly prevent back-flow. Facilitates conversion of existing flushing systems.
 Cistern Syphon: Replaces moving parts inside a new or existing wall mounted or concealed cistern. The cistern is filled each time the sensor actuates the latching valve and the syphon gives a full flush each time the cistern is filled.

Installation Requirements

Location

Positioning of ceiling sensor: Position in the ceiling not more than 500mm from the urinal wall with the sensor slots parallel to the urinal wall. For a single stall urinal, position the sensor above the centre of the stall. For a double stall urinal, position the sensor midway between the stalls. For a triple stall urinal, position the sensor above the centre of all three stalls. For more than three stalls, use additional sensors.

Installation of Ceiling sensor: Use inbuilt clips to fasten sensor housing in place when inserted into hole. To install a surface mounted sensor, remove top of sensor housing and fasten base of sensor housing to wall with screws and/or plugs (not provided). If any of the cable connecting the sensor to the latching valve is visible, shield it with conduit.

Plumbing

To be installed by a qualified tradesperson in accordance with manufacturer's instructions and AS/NZS 3500 plumbing and AS/NZS 3350 wiring regulations.

Electrical

Battery Power: 6 volt lithium battery pack with typical life of 3 years. Battery low warning indicator: FlushMaster Ceiling Mounted and Pearl only. Mains Power: optional 240 volt mains power pack.
 Note: Instruction to set flush time and delay time detailed in installation manual.

Accessories

- 41092NZ – Mk II retrofit sensor DC WS006*
- 41093NZ – Mk II retrofit sensor AC WS007*
- 99168NZ – Pearl water saver sensor only
- 99021NZ – Cistern autosyphon 1.00 inch BSP/25mm
- 99022NZ – Cistern autosyphon 1.25 inch BSP/32mm
- 99023NZ – Cistern autosyphon 1.50 inch BSP/38mm
- 99024NZ – Direct injection airbreak 1.00 inch BSP / 25mm
- 99025NZ – Direct injection airbreak 1.25 inch BSP/32mm
- 99026NZ – Direct injection airbreak 1.50 inch BSP/38mm
- 99031NZ – AC power pack
- 99298NZ – 6L/m flow restrictor
Valve assy not included

Warranty

1 year parts and labour warranty

Technical Assistance

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