

# GreenSmart 2" 3-Way Bypass & Diverter Valves

## Specification Data Sheet



2" 3-Way Manual



2" 3-Way Actuated

### GreenSmart 3-Way Diverter Selections

<input type="checkbox"/> 2" 3-Way Manual	PVC	GTKDTBV108
<input type="checkbox"/> 2" 3-Way Manual	CPVC	GTKDTBC108
<input type="checkbox"/> 2" 3-Way Actuated	PVC	GTKDTBV108-EL24VDCBA
<input type="checkbox"/> 2" 3-Way Actuated	CPVC	GTKDTBC108-EL24VDCBA

Specify L or T Port model and desired operating range at time of order.

T-Port Operating Positions: 90° - 180° or 180° - 270°.

### Dimensions

Total Height w/actuator: 18"  
Height (manual): 7"  
Length: 10"

### Standards



Manufactured By IPEX



05162023

### Overview

Greensmart 2"- 3 way graywater, wastewater, backup water diversion systems are designed for new residential and commercial applications. IAPMO R&T tested, UPC & IPC compliant to IAPMO PS-59, the industry test standard. Actuated models come with failsafe battery backup and position outputs for BMS, BACnet, control and communication, all standard equipment. Union couplings allow for easy installation and maintenance.

### Uses

The 2" 3-way diverter provides a compliant diversion solution for the control, collection, containment, for separation, and treatment of all Alternate Nonpotable Wastewater and special wastewater sources, such as but not limited to: greywater, rainwater, cooling tower water, fire suppression water, washdown water, & makeup water.

### Ball Valves

- Listing: UPC, IPC
- Standards: IAPMO PS 59-2016a
- Body Material: PVC, CPVC, ASTM D1784
- Size: 2" 3-Way TDK, T or L port designs available (see Operating Positions Sheet)
- Pressure: 232psi
- Seals: EPDM
- End Connections: Socket (IPS) with Locking Union Nuts
- Valve Weight: 6.5lbs PVC

### Electric Actuation

- UL Approved E303174
- Normal Voltage: 24v ac/dc
- To be powered by UL Class 2 Power Source (see Power Supply Data Sheet – Manufacturer's Product Information)
- Absorbed Current: 1.0A
- Duty Rating: 75%
- Case: IP 67, NEMA 4x Indoor use
- Aluminum housing (full NEMA 4x) available from factory
- Rotation: 90°
- Manual Intervention: Standard
- Battery Backup Failsafe available from factory
- The Battery Backup Failsafe default to be configured to either open or closed position at the factory. Select open or closed on order sheet.
- Torque Limiter: Standard
- Positioner Circuit: Standard
- Additional Free Limit Switches: Standard
- Cycle Time: 8 sec.
- Actuator Weight: 5.7 lbs.
- Position Indicator Light Circuit: Standard, internal



# GreenSmart 2" 3-Way Bypass & Diverter Valves

## Operating Positions



2" 3-Way Manual

Position	T-Port	L-Port
0°	mixing	diverting
90°	diverting	closed
180°	straight flow	closed
270°	diverting	diverting

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T-Port Operating Positions:  
90° - 180° or 180° - 270°

