

# GreenSmart 2" 3-Way Diverter Valves

## Specification Data Sheet



2" 3-Way Manual



2" 3-Way Actuated

Not for use in sanitary waste systems.

### GreenSmart 3-Way Diverter Selections

- |                          |                   |      |                    |
|--------------------------|-------------------|------|--------------------|
| <input type="checkbox"/> | 2" 3-Way Manual   | PVC  | GTKDTBV108         |
| <input type="checkbox"/> | 2" 3-Way Manual   | CPVC | GTKDBC108          |
| <input type="checkbox"/> | 2" 3-Way Actuated | PVC  | GTKDV008-EL24VDC   |
| <input type="checkbox"/> | 2" 3-Way Actuated | CPVC | GTKDTBC108-EL24VDC |

Specify T or L port at time of order.

### Dimensions

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

### Standards



ASTM D1784



ANSI B16.5



IAPMO PS 59-2016a



C

Manufactured By IPEX

### Overview

GreenSmart 2"– 3 way graywater, wastewater diversion systems are designed for residential, industrial, and commercial applications. IAPMO R&T tested and UPC/IPC listed to PS 59-2016a Standards and specifications to provide practical compliant diversion solutions for all wastewater applications. Available in manual and actuated models. Battery back up failsafe available, installed at factory. Unique ball valve design allows for multiple flow direction options. Union couplings allow for easy installation and maintenance.

### Uses

The 2" 3-Way diverter provides a compliant diversion solution for the control, collection, containment, separation, and treatment of all Alternate Nonpotable wastewater sources. Such as but not limited to, greywater, rainwater, cooling tower water, fire suppression water, recreation water, washdown 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 44x 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 Diverter Valves

## Operating Positions

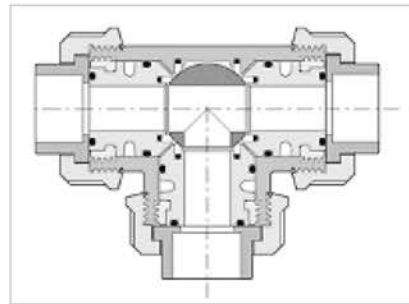


2" 3-Way Manual

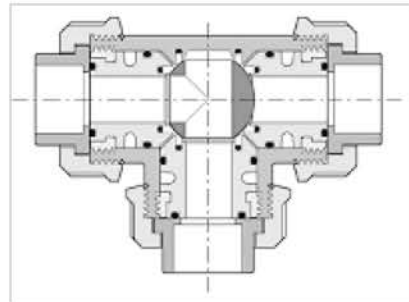
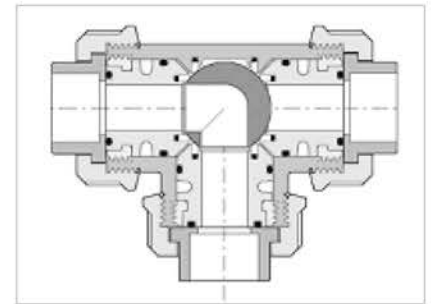
T-Port

position

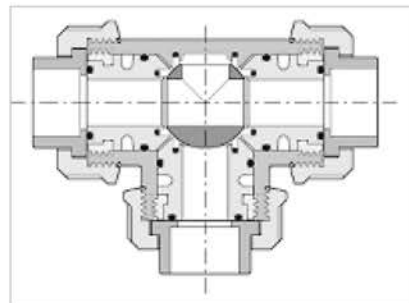
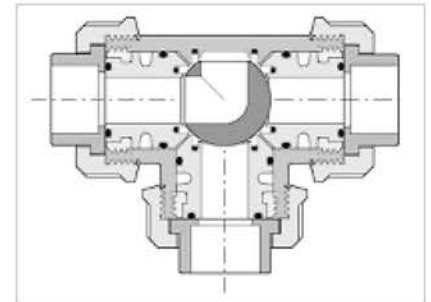
L-Port



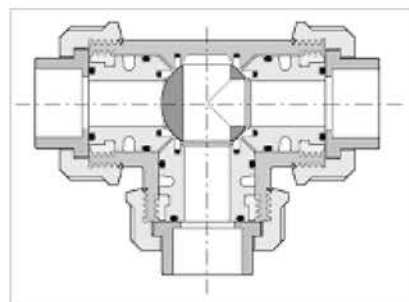
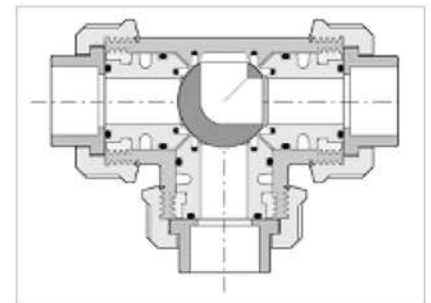
0°



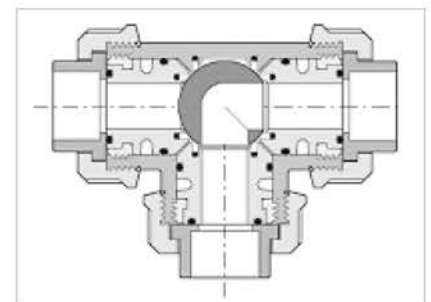
90°



180°



270°



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

Note: Electric actuators can be configured for either 90° or 180°.