

# GreenSmart Bypass & Diverter Valves



## Product Data Sheet



2" 3-Way Manual



3" 4" Actuated Double



3" 4" Actuated Single



3" 4" Manual Single



2" 3-Way Actuated

Valves and wyes shipped unassembled. Valves and actuators assembled together at the factory.

### STANDARDS



ASTM D1784  
ASTM D2466  
ASTM D2467  
ASTM D2464  
ASTM F1498  
ASTM F439  
ASTM F437



IAPMO PS-59-2016a



ANSI B1.20.1  
ANSI B16.5

Manufactured By IPEX

### Ball Valves

- Listing: UPC, IPC
- Standards: IAPMO PS 59-2016a
- Body Material: PVC, ASTM D1784, NSF 16/61
- Size: Full Port 2", 3", 4" 2" 3-Way TKD - T Port Series
- Pressure: 232psi
- Seats: TKD, VXE - (PTFE), VEE - (PE)
- Seals: EPDM
- End Connections: Socket (IPS)
- Ball Valve Weight (PVC): 2" – 6.5 lbs, 3" – 9.5 lbs., 4" – 16.4 lbs

### Electric Actuation

- UL Approved E303174
- Normal Voltage: 24V ac/dc
- To be powered by UL Class 2 Power source supplied by installer
- Absorbed Current: 1.0A
- Duty Rating: 75%
- Case: IP 67, NEMA 44X Indoor use
- Aluminum housing (full NEMA 4X) available from factory
- Rotation: 90 degrees
- Manual Intervention: Standard
- Battery Fail Safe available from factory
- The battery backup default can be configured to either the open or closed position at the factory. Select open or closed at the time of order.
- Torque Limiter: Standard
- Positioner Circuit: Standard
- Additional Free Limit Switches: Standard
- Cycle Times: 2"- 8 sec., 3"- 9 sec., 4" – 27sec.
- Actuator Weight: 2" – 5.7 lbs. 3" – 5.7 lbs., 4" – 5.7 lbs
- Position Indicator Light Circuit: Standard, but internal to the actuator
- Can be wired or activated with toggle switches, float switches, sensors, timers, alarms, and LEDs. BMS friendly.

These Diverter conform to all new graywater/rainwater/wastewater diversion requirements for new construction in the State of California regarding non-potable water reuse Check with your local building authority.

### Manufacturer's Data

For manufacturers data information visit  
[www.greensmartsc.com/greensmart-solutions/greensmart-wastewater-diversion-systems/](http://www.greensmartsc.com/greensmart-solutions/greensmart-wastewater-diversion-systems/)

# GreenSmart 2" 3-Way Bypass & Diverter Valves

## Operating Positions



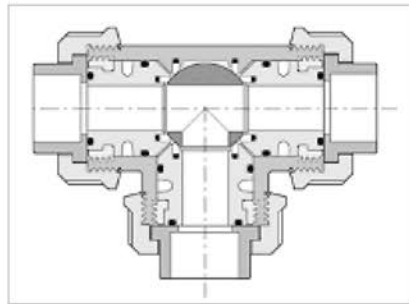
2" 3-Way Manual

T-Port

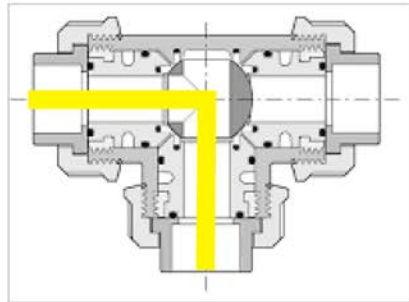
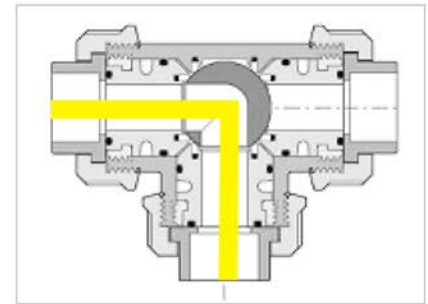
position

L-Port

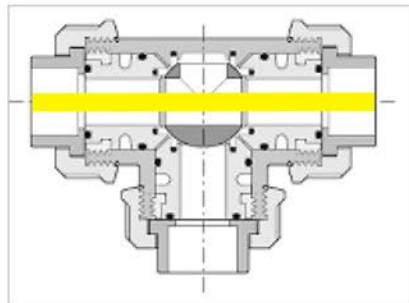
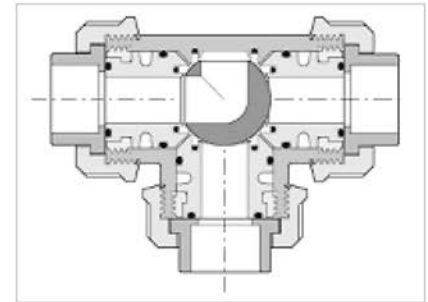
Position	T-Port	L-Port
0°	mixing	diverting
90°	diverting	closed
180°	straight flow	closed
270°	diverting	diverting



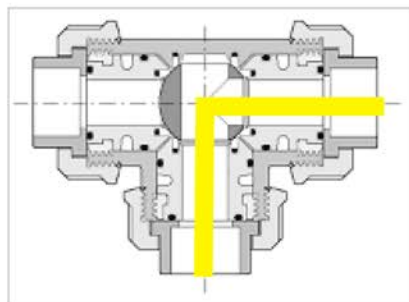
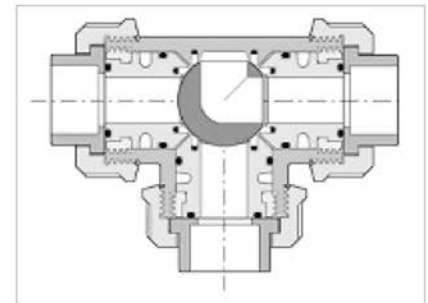
0°



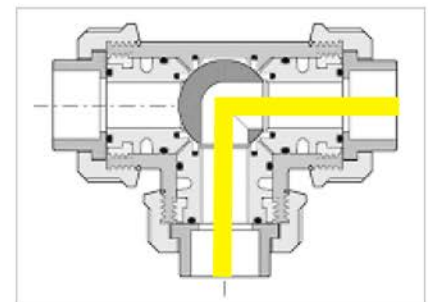
90°



180°



270°



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