

Texas Industrial Remcor, Inc.

# SPRAYER VALVES & CONTROLS CATALOG

CATALOG NO. 35

**QUALITY VALVES AND CONTROLS. TODAY AND TOMORROW.**



[www.SprayerValves.com](http://www.SprayerValves.com) • ISO 9001:2008 CERTIFIED •

P.O. Box 872 • Little River Academy, TX 76554 • Phone: 254.982.4236 • Fax: 254.982.4836





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## Over 35 Years of Dependability QUALITY VALVES AND CONTROLS. TODAY AND TOMORROW.

Whether you're looking to add to your system for agriculture, street cleaning, turf spraying or your four-wheeler, Texas Industrial Remcor has a solenoid valve or motorized valve sprayer system that will meet your needs.

Located in the heart of Central Texas among thousands of acres of rich farm land, Texas Industrial Remcor has been creating and building dependable, affordable, high-quality sprayer valves and control systems since 1979. Our mission is to provide our customers with the sturdiest and most reliable valves and controls on the market today. Each product is guaranteed.



### CONTACT US:

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SV.1999A.IV.WP.C

## TIR E-CHIP™

SAVE POWER, RUN COOLER

### TIR E-CHIP™ SOLENOID VALVES

Texas Industrial Remcor is proud to announce the next step in solenoid valve development with our new *TIR E-CHIP™*. By integrating a small interface electronic board into the valve, the power consumption, input voltage, and operating temperatures are reduced.

Upon the introduction of power, the driver allows full current to the valve during a time called "Pull-in." After "Pull-in," amperage is reduced by 66% of normal valve amperage requirements. With this integration of the *TIR E-CHIP™*, coil discharge that causes reverse voltage also becomes less of an issue.

The *TIR E-CHIP™* can be installed in all 2-way Weather Pack solenoid valves.

#### EQUIPMENT STANDARDS:

- *TIR E-CHIP™* Installation
- Weather Pack Connectors

#### CONFIGURATIONS:

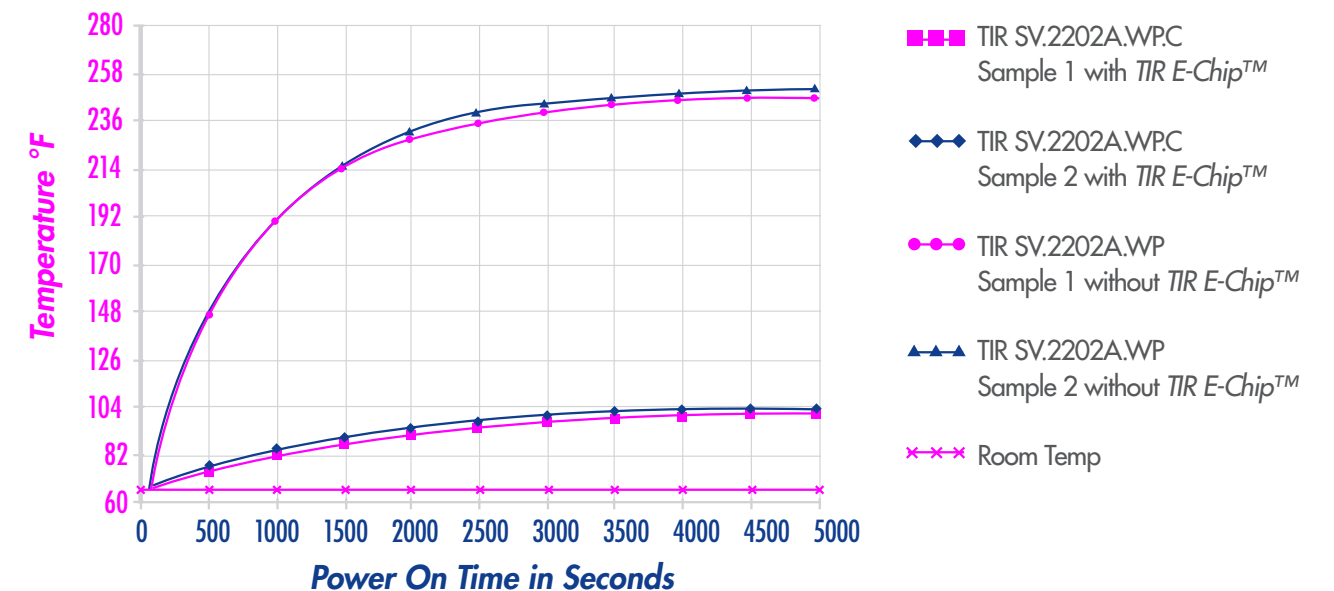
SV.1999A.IV.WP.C  
SV.2500B.1.WP.C  
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SV.2202A.WP.C  
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SV.3008A.WP.C  
SV.3012A.WP.C  
SV.3018A.WP.C

#### FEATURES:

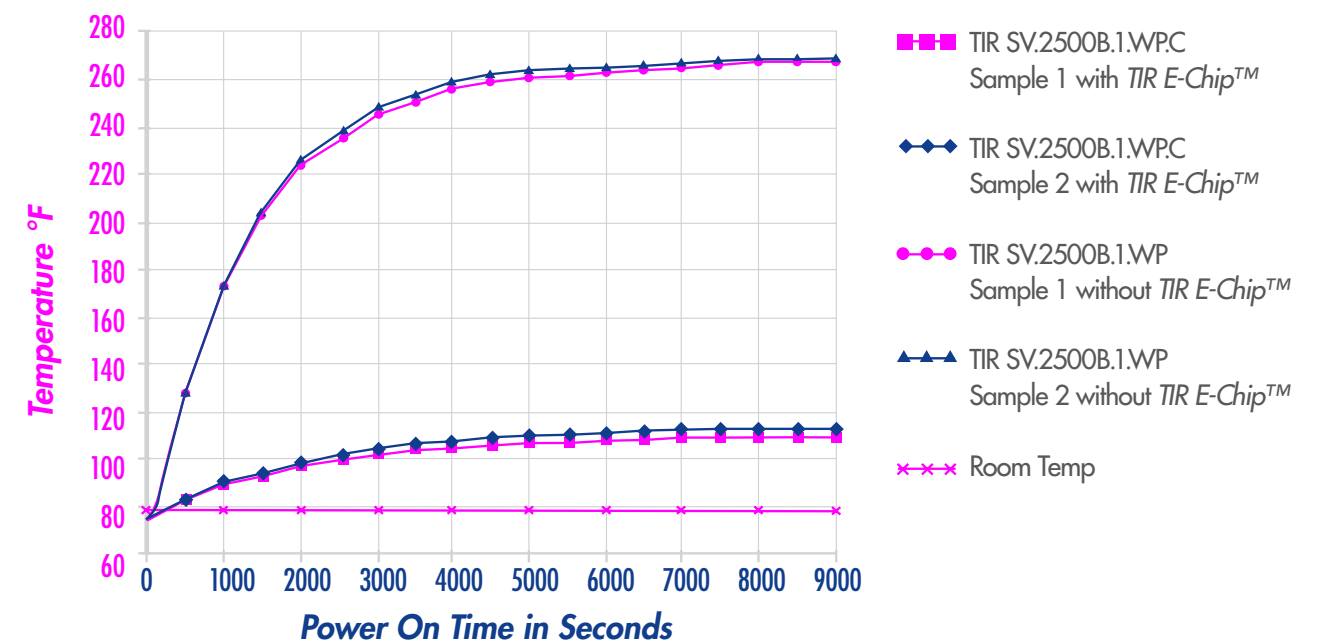
- Wide input voltage range
- Increased solenoid performance
- Power saving
- Limited heating
- Full protection against coil discharge and reverse voltage

## COMPARISON OF TEMPERATURE IN SOLENOID VALVES

### TIR E-CHIP™ vs. Small .85 AMP Solenoids Running Dry



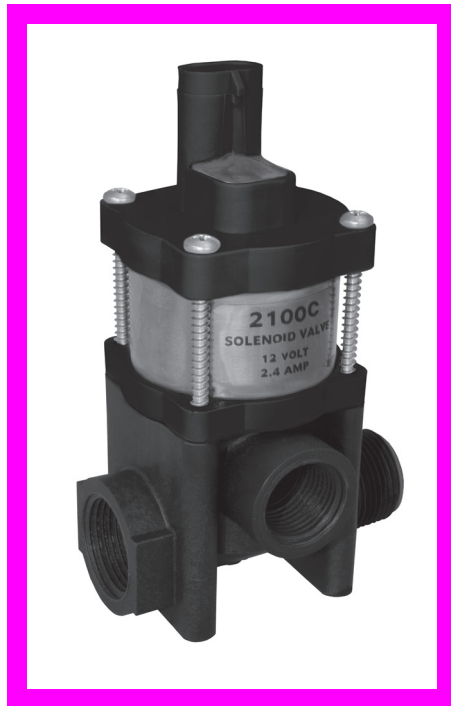
### TIR E-CHIP™ vs. Large 2.0 AMP Solenoids Running Dry



*TIR E-CHIP™* Solenoids show a 58% reduction in Solenoid temperature. Testing done with 2500B Solenoids running dry.

**ELECTRICAL SPECIFICATIONS ARE AVAILABLE UPON CUSTOMER'S REQUEST**

## INTRODUCING SV.2100C.IV.WP SOLENOID VALVES



**SV.2100C.IV.WP**

A more efficient, reliable and durable valve, TIR introduces the SV.2100C solenoids. An easy drop-in replacement for all 2100B applications, the 2100C produces less heat and controls large flow volumes. Viton seals are standard. Wetted parts consist of 430F stainless steel and chemical resistant glass filled nylon bodies.

### EQUIPMENT STANDARDS:

- 3/4" NPT Female Bypass Inlet
- 3/4" NPT Male Bypass Outlet
- 1/2" NPT Female Boom Outlet

### CONFIGURATIONS:

- Spade Terminal Connectors are available upon request

#### SV.2100C.2V.WP

Double Valve Bank with Viton

#### SV.2100C.IV.WP.C

Single Valve with *TIR E-Chip™*

#### SV.2100C.3V.WP

Triple Valve Bank with Viton

#### SV.2100C.2V.WP.C

Double Valve Bank with *TIR E-Chip™*

#### SV.2100C.3V.WP.C

Triple Valve Bank with *TIR E-Chip™*

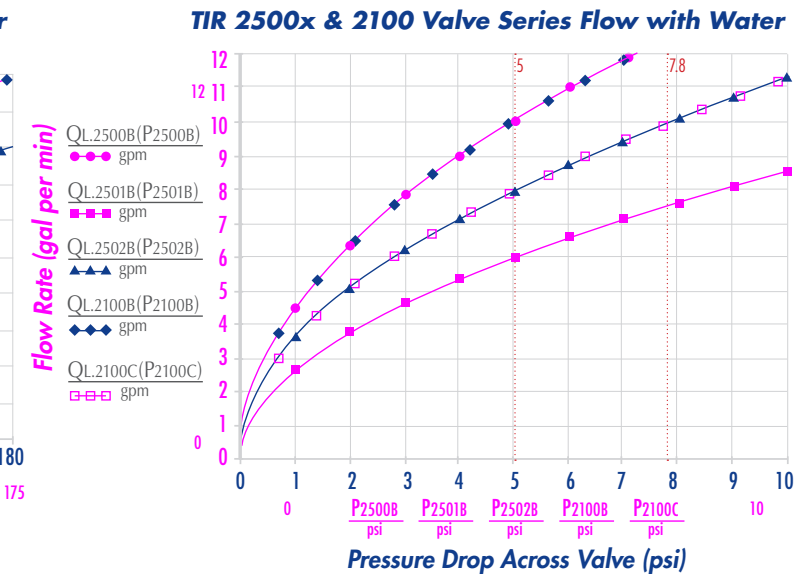
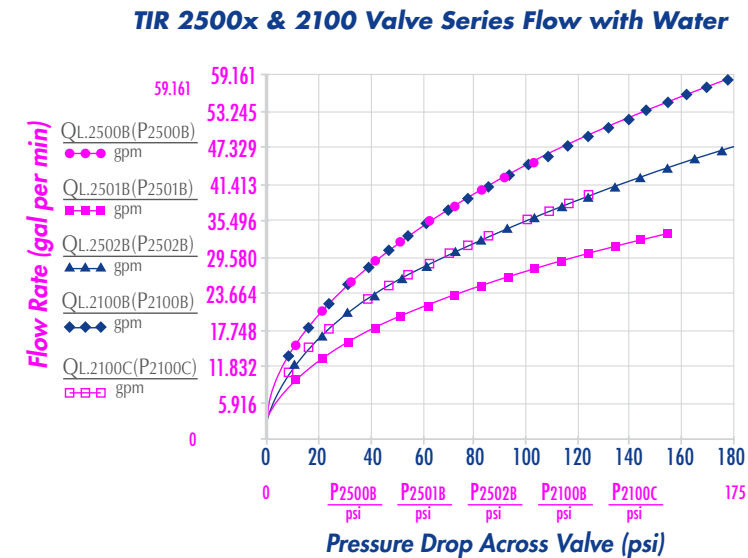
**Maximum Pressure: 125 PSI (689 kPa)**

**GPM: 0-10 (38 LPM)**

**Pressure Drop: 7 PSI at 10 GPM**

**Current Draw: 2 AMPs**

**CV Rating: 3.6 GPM/ kPm**



## VALVE, REGULATOR AND MOUNTING BRACKET ASSEMBLIES (VRBA):

Solenoid valve(s), pressure regulator and valve mounting bracket are completely factory assembled for quick and convenient mounting on a sprayer.

### VRBA.2175.WP

- Single Solenoid Valve (P/N SV.2100C.IV.WP)
- 3/4" Pressure Regulator (P/N PR.1560A)
- Mounting Bracket for a Single Valve (P/N BKT.2148)

### VRBA.2185.WP

- Two Solenoid Valves (P/N SV.2100C.2V.WP)
- 3/4" Pressure Regulator (P/N PR.1560A)
- Mounting Bracket for Double Valve Bank (P/N BKT.2149)

### VRBA.2195.WP

- Three Solenoid Valves (P/N SV.2100C.3V.WP)
- 3/4" Pressure Regulator (P/N PR.1560A)
- Mounting Bracket for Triple Valve Bank (P/N BKT.2151)

### ACCESSORIES:

#### KT.2255

Viton Repair Kit



**BKT.2148**

Mounting Bracket for Single Valve



**BKT.2149**

Mounting Bracket for Double Valve Bank



**BKT.2151**

Mounting Bracket for Triple Valve Bank

All versions are available with *TIR E-Chip™*.  
Spade Terminal Connectors are available upon request.  
*TIR E-Chip™* valves are only available in Weather Pack.



## 3/8" PUSH-TO-CONNECT VALVES

New to the market is TIR's 3/8" Push-To-Connect valves. Using plastic half-cartridges that require low insert loads, TIR valves can now fit onto a wider variety of equipment. More reliable and efficient, the Push-To-Connect valves come comprised with a collet gripper, a Viton O-ring, and a plastic body that has stainless steel teeth for easy manual assembly. Simply pushing a tube into the valve creates a leak proof connection for your agricultural projects.

### FEATURES:

- Can be used with plastic or soft metal tubes in both inch and metric sizes
- As system (valve) comes under pressure, the teeth of the PTC grip more
- Easy to assemble
- High retention

### EQUIPMENT STANDARDS:

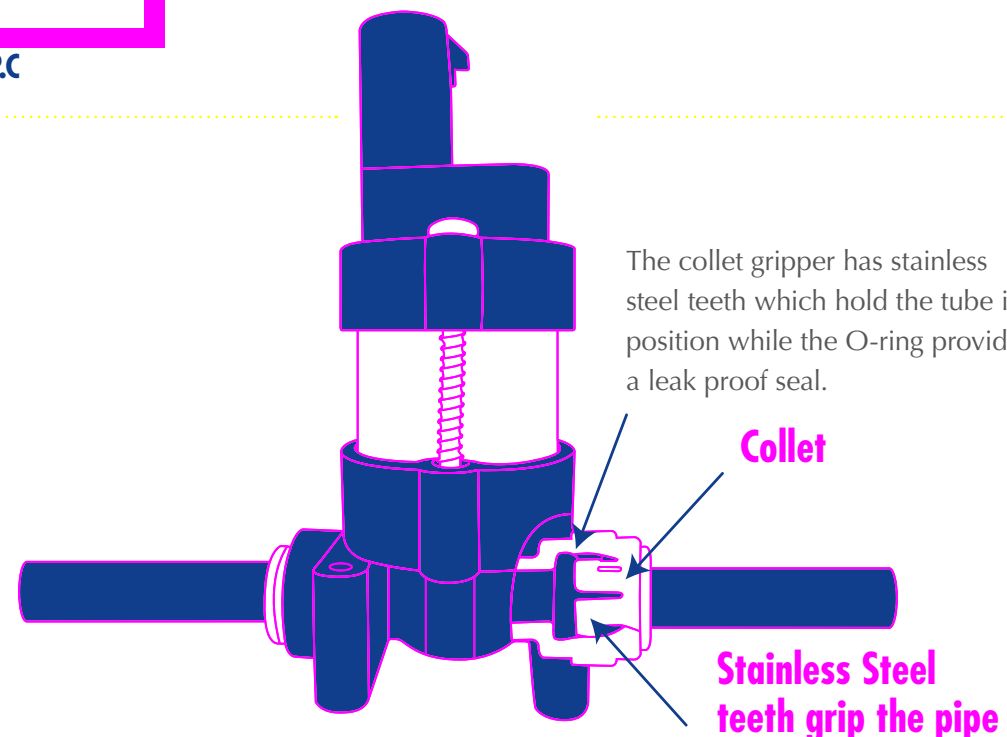
- TIR E-Chip™ with 3/8" OD Inlet and Outlet tube fitting
- Weather Pack Connectors

**Maximum Pressure:** 200 PSI (1378 kPa)

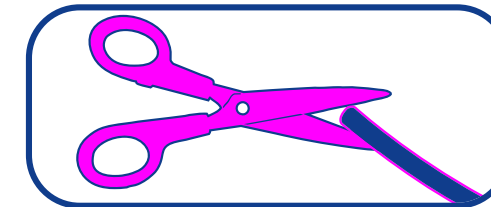
**GPM:** 0-0.22 (0.85 LPM)

**CV Rating:** 0.1

**Current Draw:** 0.85 AMPs

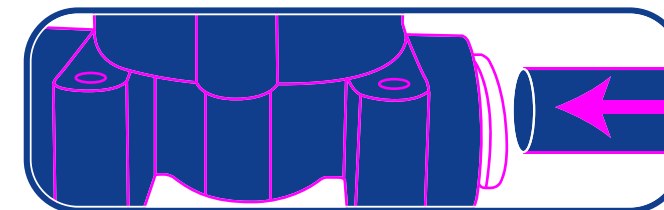


## HOW TO MAKE A STANDARD CONNECTION:



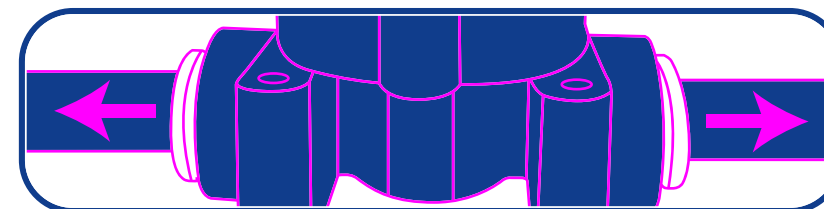
### 1. CUT THE TUBE SQUARE

Cut the tube square on end, and remove burrs and sharp edges.



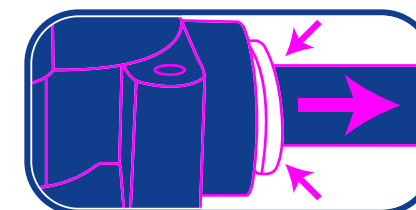
### 2. PUSH UP TO TUBE STOP

Push square end of tube into the fitting.



### 3. PULL TO CHECK IF SECURE

Pull on the tubing to check that the connection is secure.



### 4. TO DISCONNECT

Depressurize the system. Push the collet square against the fitting. With the collet square held in position, the tube can be removed.



**SV.1999A.1V.WP**



## SOLENOIDS FOR LARGE FLOWS

For those really big jobs, the 1999A Series Solenoids are a great choice. They have 12 Volt DC, with 24 Volt DC available, are normally closed and the direct operating coils are totally encapsulated and waterproof. Seals, including Viton and Aflas, are available to ensure compatibility with most harsh agricultural chemicals. Wetted parts consist of 430F stainless steel. Viton diaphragms and seals are standard.

### SV.1999A.1V.WP Pilot Valve

Pilot operated valves function on the principal of pressure drop across the valve. Spraying pressure should be measured behind the valve. Considered among the best of solenoid valves industry wide, SV.1999A Series Valves give you a full 18 GPM and up to 175 PSI. The inner parts of the valve are epoxy encapsulated to ensure rapid heat dissipation and longer service life. With its large 1" NPT threaded bypass inlet and outlet, the 1999A can handle high capacity jobs.

#### EQUIPMENT STANDARDS:

- 1" NPT Female Inlet
- 1" NPT Male Bypass Outlet
- 3/4" NPT Female Boom Outlet
- Weather Pack Connectors

**Maximum Pressure: 175 PSI (1200 kPa)**

**GPM: 0-18 (65 LPM)**

**Pressure Drop: 5 PSI at 18 GPM**

**Current Draw: 1.1 AMPs**

#### CONFIGURATIONS:

- Available in Aflas
- Spade Terminal Connectors available upon request
- Some parts available in Viton A upon request

#### SV.1999A.2V.WP

Double Valve Bank with Viton

#### SV.1999A.1V.WP.C

Single Valve with TIR E-Chip™

#### SV.1999A.3V.WP

Triple Valve Bank with Viton

#### SV.1999A.2V.WP.C

Double Valve Bank with TIR E-Chip™

#### SV.1999A.3V.WP.C

Triple Valve Bank with TIR E-Chip™

#### ACCESSORIES:

##### KT.2517

Viton Repair Kit

##### KT.2518

Aflas Repair Kit

##### BKT.1988

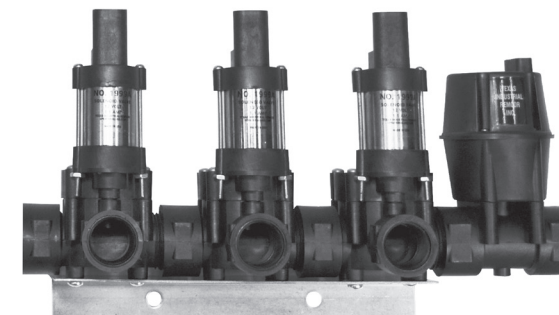
Mounting Bracket for Single Valve

##### BKT.1989

Mounting Bracket for Double Valve Bank

##### BKT.1990

Mounting Bracket for Triple Valve Bank



**VRBA.2020.WP**

## VALVE, REGULATOR AND MOUNTING BRACKET ASSEMBLIES (VRBA):

Solenoid valve(s), pressure regulator and valve mounting bracket are completely factory assembled for quick and convenient mounting on a sprayer.

### VRBA.2035.WP

- Single Solenoid Valve (P/N SV.1999A.1V.WP)
- 1" Pressure Regulator (P/N PR.1541A)
- Mounting Bracket for a Single Valve (P/N BKT.1988)

### VRBA.2025.WP

- Two Solenoid Valves (P/N SV.1999A.2V.WP)
- 1" Pressure Regulator (P/N PR.1541A)
- Mounting Bracket for Double Valve Bank (P/N BKT.1989)

### VRBA.2020.WP

- Three Solenoid Valves (P/N SV.1999A.3V.WP)
- 1" Pressure Regulator (P/N PR.1541A)
- Mounting Bracket for Triple Valve Bank (P/N BKT.1990)

All versions are available with TIR E-Chip™. Spade Terminal Connectors are available upon request. TIR E-Chip™ valves are only available in Weather Pack.



**SV.1999A.1V.WP**



**SV.1999A.2V.WP**



**SV.1999A.3V.WP**





**SV.2500B.1.WP**

## SV.2500B.1.WP Solenoid Valve

The 2500B Series Solenoids are proven to be a reliable and versatile solution for sprayer and application needs. These 12 Volt valves are an excellent selection for use as boom valves on self-propelled sprayers and large tractor pulled sprayers. Viton diaphragms and seals are standard, and coils are totally encapsulated and waterproof.

### EQUIPMENT STANDARDS:

- 3/4" NPT Female Bypass Inlet
- 3/4" NPT Male Bypass Outlet
- 1/2" NPT Female Boom Outlet
- Weather Pack Connectors

**Maximum Pressure:** 100 PSI (689 kPa)

**GPM:** 0-10 (38 LPM)

**Pressure Drop:** 5 PSI at 10 GPM

**Current Draw:** 2 AMPs

### CONFIGURATIONS:

- Spade Terminal Connectors are available upon request

#### SV.2500B.2.WP

Double Valve Bank with Viton

#### SV.2500B.3.WP

Triple Valve Bank with Viton

#### SV.2500B.1.WP.C

Single Valve with *TIR E-Chip™*

#### SV.2500B.2.WP.C

Double Valve Bank with *TIR E-Chip™*

#### SV.2500B.3.WP.C

Triple Valve Bank with *TIR E-Chip™*

### ACCESSORIES:

#### KT.2352

Viton Repair Kit

#### BKT.2148

Mounting Bracket for Single Valve

#### BKT.2149

Mounting Bracket for Double Valve Bank

#### BKT.2151

Mounting Bracket for Triple Valve Bank

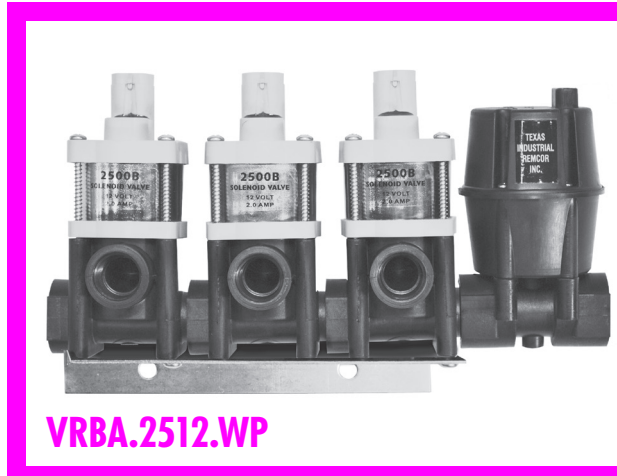
**BKT.2148**



**BKT.2149**



**BKT.2151**



**VRBA.2512.WP**

## VALVE, REGULATOR AND MOUNTING BRACKET ASSEMBLIES (VRBA):

Solenoid valve(s), pressure regulator and valve mounting bracket are completely factory assembled for quick and convenient mounting on a sprayer.

### VRBA.2508.WP

- Single Solenoid Valve (P/N SV.2500B.1.WP)
- 3/4" Pressure Regulator (P/N PR.1560A)
- Mounting Bracket for a Single Valve (P/N BKT.2148)

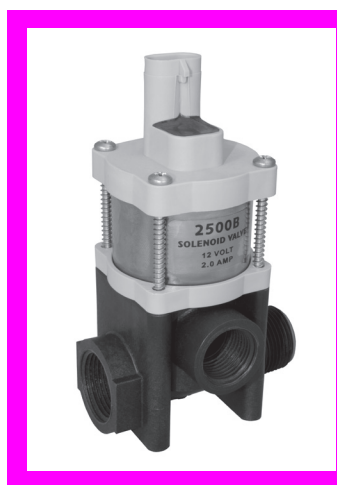
### VRBA.2510.WP

- Two Solenoid Valves (P/N SV.2500B.2.WP)
- 3/4" Pressure Regulator (P/N PR.1560A)
- Mounting Bracket for Double Valve Bank (P/N BKT.2149)

### VRBA.2512.WP

- Three Solenoid Valves (P/N SV.2500B.3.WP)
- 3/4" Pressure Regulator (P/N PR.1560A)
- Mounting Bracket for Triple Valve Bank (P/N BKT.2151)

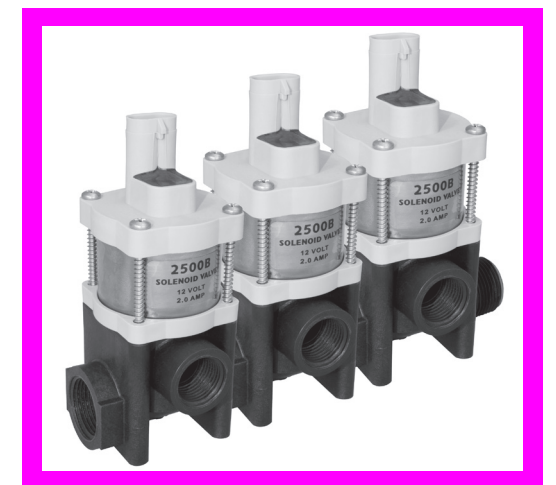
All versions are available with *TIR E-Chip™*.  
Spade Terminal Connectors are available upon request.  
*TIR E-Chip™* valves are only available in Weather Pack.



**SV.2500B.1.WP**



**SV.2500B.2.WP**



**SV.2500B.3.WP**

# 2-Way Large Solenoid Valves



SV.2502B.1.WP

## SV.2502B.1.WP Solenoid Valve

The 12 Volt SV.2502B Solenoid Valves are normally closed and direct operating with totally encapsulated and waterproof coils. Viton diaphragms and seals are standard for use with a wide variety of harsh agricultural chemicals. Wetted parts consist of 430F steel.

### EQUIPMENT STANDARDS:

- 3/4" NPT Female Inlet
- 3/4" NPT Male Bypass Outlet
- 1/2" NPT Female Boom Outlet
- Weather Pack Connectors

**Maximum Pressure:** 175 PSI (1200 kPa)

**GPM:** 0-8 (35 LPM)

**Pressure Drop:** 5 PSI at 8 GPM

**Current Draw:** 2 AMPs

### CONFIGURATIONS:

Spade Terminal Connectors available upon request

#### SV.2502B.2.WP

Double Valve Bank with Viton

#### SV.2502B.3.WP

Triple Valve Bank with Viton

#### SV.2502B.1.WP.C

Single Valve with TIR E-Chip™

#### SV.2502B.2.WP

Double Valve Bank with TIR E-Chip™

#### SV.2502B.3.WP

Triple Valve Bank with TIR E-Chip™



SV.2501B.WP

## SOLENOID SHUTOFF VALVES

These 12 Volt DC shutoff valves come equipped with standard Viton seats and seals. Totally enclosed epoxy encapsulated coils are waterproof and have glass-filled nylon bodies. These on/off valves make control of mixing and application of most harsh agricultural chemicals and fluids easy and reliable. Use these valves anytime you need direct shut-off control with no bypass. Wetted parts consist of 430F stainless steel.

## SV.2501B.WP Solenoid Shutoff Valve

For those times when you want solid performance across a broad spectrum of applications, the SV.2501B.WP is a great choice. Its wetted parts consist of a chemical resistant glass filled nylon and a 430F stainless steel body. Viton diaphragm and seals are standard.

### EQUIPMENT STANDARDS:

- 1/2" NPT Female Inlet
- 1/2" NPT Female Outlet
- Weather Pack Connectors

**Maximum Pressure:** 150 PSI (1034 kPa)

**GPM:** 0-6 (22.71 LPM)

**Pressure Drop:** 5 PSI at 6 GPM

**Current Draw:** 2 AMPs



SV.3008A.WP

## SV.3002A.WP Solenoid Shutoff Valve

### EQUIPMENT STANDARDS:

- 1/2" NPT Female Inlet
- 1/2" NPT Female Outlet
- Weather Pack Connectors

**Maximum Pressure:** 130 PSI (895 kPa)

**GPM:** 0-3.1 (11 LPM)

**CV Rating:** 1.48

**Current Draw:** 1.7 AMPs

### CONFIGURATIONS:

SV.3002A.WP.C - Single Valve with TIR E-Chip™

## SV.3008A.WP Solenoid Shutoff Valve

### EQUIPMENT STANDARDS:

- 1/2" NPT Female Inlet
- 1/2" NPT Female Outlet
- Weather Pack Connectors

**Maximum Pressure:** 60 PSI (414 kPa)

**GPM:** 0-4 (15 LPM)

**CV Rating:** 1.83

**Current Draw:** 1.1 AMPs

### CONFIGURATIONS:

SV.3008A.WP.C - Single Valve with TIR E-Chip™



SV.3018A.WP

## SV.3012A.WP 2-Way Solenoid Shutoff Valve

### EQUIPMENT STANDARDS:

- 3/4" NPT Female Inlet
- 3/4" NPT Male Bypass Outlet
- 1/2" NPT Female Outlet
- Weather Pack Connectors

**Maximum Pressure:** 130 PSI (895 kPa)

**GPM:** 0-3.1 (11 LPM)

**CV Rating:** 1.48

**Current Draw:** 1.1 AMPs

### CONFIGURATIONS:

SV.3012A.WP.C - Single Valve with TIR E-Chip™

## SV.3018A.WP 2-Way Solenoid Shutoff Valve

### EQUIPMENT STANDARDS:

- 3/4" NPT Female Inlet
- 3/4" NPT Male Bypass Outlet
- 1/2" NPT Female Outlet
- Weather Pack Connectors

**Maximum Pressure:** 40 PSI (275 kPa)

**GPM:** 0-4 (15 LPM)

**CV Rating:** 1.83

**Current Draw:** 1.1 AMPs

### CONFIGURATIONS:

SV.3018A.WP.C - Single Valve with TIR E-Chip™



## SMALL SOLENOID VALVES

### End Nozzle / Foam Marker / Small Sprayers / Chemical Injection Systems

The 2200 Series Solenoids provide a preferred method of control for your placement needs. Giving great flexibility with your nozzles, these 12 Volt DC valves allow high pressures to produce low GPM. Place these in foam marking kits, end nozzles, injectors and planters to use at your discretion for fence rows and any planting fertilization. Viton diaphragms and seals are standard and wetted parts consist of 304 and 430F stainless steel. Coils are encapsulated and waterproof. Spade terminals are available upon request.



SV.2201A.WP

### SV.2201A.WP Solenoid Valve

A great choice for large flow and high pressure.

#### EQUIPMENT STANDARDS:

- 1/4" NPT Female Inlet
- 1/4" NPT Female Outlet
- Weather Pack Connectors

#### CONFIGURATIONS:

- Available with 3/8" Push-To-Connect

#### SV.2201A.WP.C

- Single Valve with *TIR E-Chip™*

**Maximum Pressure:** 125 PSI (861 kPa)

**GPM:** 0-1 (3.75 LPM)

**CV Rating:** 0.45

**Current Draw:** 1.1 AMPs



SV.2202A.WP

### SV.2202A.WP Solenoid Valve

Ideal for small sprayers.

#### EQUIPMENT STANDARDS:

- 1/4" NPT Female Inlet
- 1/4" NPT Female Outlet
- Weather Pack Connectors

#### CONFIGURATIONS:

- Available with 3/8" Push-To-Connect

#### SV.2202A.WP.C

- Single Valve with *TIR E-Chip™*

**Maximum Pressure:** 80 PSI (551 kPa)

**GPM:** 0-1 (3.79 LPM)

**CV Rating:** 0.45

**Current Draw:** 0.85 AMPs



SV.2203A.WP

### SV.2203A.WP Solenoid Valve

Great for foam markers to control both air and fluid.

#### EQUIPMENT STANDARDS:

- 1/4" NPT Female Inlet
- 1/4" NPT Female Outlet
- Weather Pack Connectors

#### CONFIGURATIONS:

#### SV.2203A.WP.C

- Single Valve with *TIR E-Chip™*

**Maximum Pressure:** 175 PSI (1200 kPa)

**GPM:** 0-0.5 (1.9 LPM)

**CV Rating:** 0.26

**Current Draw:** 0.85 AMPs



SV.2206A.WP

### SV.2206A.WP Solenoid Valve

Another ideal valve for foam markers to control both air and fluid.

#### EQUIPMENT STANDARDS:

- 1/4" NPT Female Inlet
- 1/4" NPT Female Outlet
- Weather Pack Connectors

#### CONFIGURATIONS:

#### SV.2206A.WP.C

- Single Valve with *TIR E-Chip™*

**Maximum Pressure:** 200 PSI (1378 kPa)

**GPM:** 0-0.22 (0.85 LPM)

**CV Rating:** 0.1

**Current Draw:** 0.85 AMPs

# 3-Way Solenoid Valves

# Nozzle Body Valves

## 3-WAY SOLENOID VALVES

Three-way solenoid valves have a female NPT inlet and two female NPT outlets. This gives users the ability to re-direct flow by turning the valve on and off. When off, the bottom outlet is closed and the upper outlet is open. The valves operate on 12 Volt DC current and the coils are encapsulated and waterproof. Wetted metal parts are made from 304 and 430F stainless steel and Viton seals are standard. The smaller three-way valves are ideal for use with foam markers to control air and liquid.

### SV.2204A.WP Solenoid Valve

#### EQUIPMENT STANDARDS:

- 1/4" NPT Female Inlet
- (2) 1/4" NPT Female Outlets
- Weather Pack Connectors

**Maximum Pressure:** 55 PSI (380 kPa)

**GPM:** 0-0.5 (1.9 LPM)

**CV Rating:** 0.22

**Current Draw:** 0.85 AMPs

#### CONFIGURATIONS:

- Spade Terminal Connectors available upon request



SV.2204A.WP

### SV.2504B.WP Solenoid Valve

#### EQUIPMENT STANDARDS:

- 1/2" NPT Female Inlet
- (2) 1/2" NPT Female Outlets
- Weather Pack Connectors

**Maximum Pressure:** 75 PSI (571 kPa)

**GPM:** 0-2 (7.5 LPM)

**CV Rating:** 0.9

**Current Draw:** 1.1 AMPs

### SV.2210.WP Solenoid Valve

#### EQUIPMENT STANDARDS:

- 1/4" NPT Female Inlet
- (2) 1/4" NPT Female Outlets
- Weather Pack Connectors

**Maximum Pressure:** 200 PSI (1378 kPa)

**GPM:** 0-0.5 (1.9 LPM)

**CV Rating:** 0.22

**Current Draw:** 1.1 AMPs

#### CONFIGURATIONS:

- Spade Terminal Connectors available upon request



SV.2504B.WP

## NOZZLE BODY VALVES

### NB.2600A Series Nozzle Body Valves

The 2600A 12 Volt DC direct operating Nozzle Body Valves have a 1/4" NPT female inlet and a 1/4" nozzle body outlet. The nozzle body outlet is compatible with most industry standard quick connect nozzle caps. The valve coil is totally encapsulated and waterproof. Viton solenoid seals ensure compatibility with most harsh agricultural chemicals. Wetted metal parts are 430F and 304 stainless steel. These valves can be used for boom end nozzles, individual nozzle shutoffs, and more where instantaneous opening and shutoff are desirable.



NB.2601A.WP

### NB.2601A.WP Nozzle Body Valve

#### EQUIPMENT STANDARDS:

- 1/4" Female NPT Inlet
- 1/4" Nozzle Body Outlet
- Weather Pack Connectors

**Maximum Pressure:** 125 PSI (861 kPa)

**GPM:** 0-1 (3.79 LPM)

**CV Rating:** 0.45

**Current Draw:** 1.1 AMPs

### NB.2602A.WP Nozzle Body Valve

#### EQUIPMENT STANDARDS:

- 1/4" Female NPT Inlet
- 1/4" Nozzle Body Outlet
- Weather Pack Connectors

**Maximum Pressure:** 80 PSI (551 kPa)

**GPM:** 0-1 (3.79 LPM)

**CV Rating:** 0.45

**Current Draw:** 0.85 AMPs



NB.2602A.WP

### NB.2603A.WP Nozzle Body Valve

#### EQUIPMENT STANDARDS:

- 1/4" Female NPT Inlet
- 1/4" Nozzle Body Outlet
- Weather Pack Connectors

**Maximum Pressure:** 175 PSI (1200 kPa)

**GPM:** 0-0.5 (1.9 LPM)

**CV Rating:** 0.26

**Current Draw:** 0.85 AMPs



## MANIFOLD NOZZLE BODY VALVES

For other instantaneous opening and shutoff jobs, such as, but not limited to, field, golf course and roadside spraying, TIR offers nozzle bodies in manifold style. These valves can be clamped onto a 3/4" NPT boom pipe, which acts as the central inlet. 12 Volt DC and direct operating, the coils are totally encapsulated and waterproof. Viton seals and O-rings are standard to ensure compatibility with most harsh agricultural chemicals. Wetted metal parts consist of 430F and 304 stainless steel.



NB.2605.WP

### NB.2605.WP Manifold Nozzle Body Valve

#### EQUIPMENT STANDARDS:

- Single Valve attached to 3/4" Mounting Hardware
- 1/4" NPT Outlet
- Compatible with most industry standard quick connect nozzle caps
- Weather Pack Connectors

**Maximum Pressure:** 80 PSI (550 kPa)  
**GPM:** 0-1 (3.79 LPM)  
**CV Rating:** 0.45  
**Pressure Drop:** 5 PSI (34.5 kPa)  
**Current Draw:** 0.85 AMPs



NB.2606A.WP

### NB.2606A.WP Manifold Nozzle Body Valve

With use of different nozzle sizes, this combination of two valves can give up to three spray rates. A cluster of four of these valves can produce up to 15 spray rates.

#### EQUIPMENT STANDARDS:

- Two Valves attached to 3/4" Mounting Hardware Assembly
- 1/4" Nozzle Body Outlet
- Compatible with most industry standard quick connect nozzle caps
- Weather Pack Connectors

**Maximum Pressure:** 80 PSI (550 kPa)  
**GPM:** 0-1 (3.79 LPM)  
**CV Rating:** 0.45  
**Pressure Drop:** 5 PSI (34.5 kPa)  
**Current Draw:** 0.85 AMPs

## ON-OFF MANIFOLD SOLENOID VALVES

Manifold valves come in a variety of configurations and can be used for roadside spraying, street sweeping and scrubbing equipment, and other agricultural and industrial applications. The 12 Volt 2208 and 2209 Manifold Valves can be plugged into a 3/8" drilled hole on any 3/4" pipe that serves as a central inlet. Purchase of compatible TIR PVC pipes are available upon request (See page 40). Viton standard seals ensure compatibility with most harsh chemicals and coils are totally encapsulated and waterproof. Wetted metal parts are 430F and 304 stainless steel.



SV.2208.WP

### SV.2208.WP Manifold Valve

#### EQUIPMENT STANDARDS:

- 3/4" Mounting Hardware
- 1/4" NPT Outlet
- Configured In-line
- Weather Pack Connectors

**Maximum Pressure:** 80 PSI (551 kPa)  
**GPM:** 0-1 (3.79 LPM)  
**CV Rating:** 0.45  
**Pressure Drop:** 5 PSI (34.5 kPa)  
**Current Draw:** 0.85 AMPs



SV.2209.WP

### SV.2209.WP Manifold Valve

#### EQUIPMENT STANDARDS:

- 3/4" Mounting Hardware
- 1/4" NPT Outlet
- Configured In-line
- Weather Pack Connectors

**Maximum Pressure:** 80 PSI (551 kPa)  
**GPM:** 0-1 (3.79 LPM)  
**CV Rating:** 0.45  
**Pressure Drop:** 5 PSI (34.5 kPa)  
**Current Draw:** 0.85 AMPs

#### CONFIGURATIONS:

##### SV.2209.WP

Manifold Valve, Double Valve Assembly

##### SV.2209.2.WP

Manifold Valve, Quadruple Valve Assembly

##### SV.2209.3.WP

Manifold Valve, Sextuplet Valve Assembly

##### SV.2209.4.WP

Manifold Valve, Octuplet Valve Assembly

*\* For custom valve arrangements ask about our 2661 series*

**EMI (Electro Magnetic Interference) reduces peak spikes from 350 to 35 Volts.  
 Diode reduces voltage of coil from .85 to .68 AMP.**

#### CONFIGURATIONS:

##### SV.2209.WP.EMI

Manifold Valve EMI Suppressed,  
 Double Valve Assembly

##### SV.2209.2.WP.EMI

Manifold Valve EMI Suppressed,  
 Quadruple Valve Assembly

##### SV.2209.3.WP.EMI

Manifold Valve EMI Suppressed,  
 Sextuplet Valve Assembly

*Pipe included only upon request and at additional charge*

## 2400 SERIES 2-WAY MOTORIZED VALVES

The 2400 Series 2-way valves come in a variety of arrangements including an on/off, a 2-way manifold with a bypass, or a 2-way flanged manifold with a flanged bypass. These valves contain totally enclosed motors with sealed connectors that draw minimal amperage and are protected by a self-resetting fuse. Each valve has wetted parts of glass filled nylon and 303 stainless steel and an easy to replace Viton face seal. The 2404 valves come as stackable or flanged manifolds of up to five valves. Flanges have gasket sets that allow fittings to a variety of other brand valves. Opening and closing time is .8 seconds.



MV.2402

### MV.2402 2-Way Motorized Valve

These are single motorized valves with a 1" NPT bottom inlet and a 1" NPT side outlet.

#### EQUIPMENT STANDARDS:

- 1" NPT Bottom Inlet
- 1" NPT Side Outlet
- Single Valve
- Open and close time is .8 seconds

**Maximum Pressure:** 150 PSI (1034 kPa)  
**GPM:** 0-20 (75 LPM)  
**Pressure Drop:** 5 PSI at 20 GPM  
**Current Draw:** 2.5 AMPs



MV.2404.1

### MV.2404 Stackable 2-Way Motorized Manifold Valves

These stackable motorized valves come with either 1" NPT or 1-1/2" NPT end plates on both ends or a blank end plate on one end. Mounting holes are on the bottoms of the ends plates.

#### EQUIPMENT STANDARDS:

- 1" NPT end plates
- Open and close time is .8 seconds

#### ADDITIONAL OPTIONS:

- 1-1/2" NPT end plates
- Optional blank plate

**Maximum Pressure:** 150 PSI (1034 kPa)  
**GPM:** 0-20 (75 LPM)  
**Pressure Drop:** 5 PSI at 20 GPM  
**Current Draw:** 2.5 AMPs

#### CONFIGURATIONS:

##### MV.2404.1

Single Motorized Shutoff Valve

##### MV.2404.2

Double Motorized Shutoff Valve Bank

##### MV.2404.3

Triple Motorized Shutoff Valve Bank

##### MV.2404.4

Quadruple Motorized Shutoff Valve Bank

##### MV.2404.5

Quintuple Motorized Shutoff Valve Bank



MV.2404.1F

### MV.2404 Flanged 2-Way Motorized Manifold Valves

The flanged motorized valves have a 1-1/2" NPT threaded flanged manifold and a 3/4" NPT threaded outlet. Flanges are grooved for gasket configurations and easy plumbing into an existing bank of valves.

#### EQUIPMENT STANDARDS:

- 1-1/2" NPT Threaded Flanged Bypass
- 3/4" NPT Threaded Flanged Outlet
- Open and close time is .8 seconds

**Maximum Pressure:** 150 PSI (1034 kPa)  
**GPM:** 0-20 (75 LPM)  
**Pressure Drop:** 5 PSI at 20 GPM  
**Current Draw:** 2.5 AMPs

#### CONFIGURATIONS:

##### MV.2404.1F

Single Flanged Motorized Shutoff Valve

##### MV.2404.2F

Double Flanged Motorized Shutoff Valve Bank

##### MV.2404.3F

Triple Flanged Motorized Shutoff Valve Bank

##### MV.2404.4F

Quadruple Flanged Motorized Shutoff Valve Bank

##### MV.2404.5F

Quintuple Flanged Motorized Shutoff Valve Bank

#### ACCESSORIES:

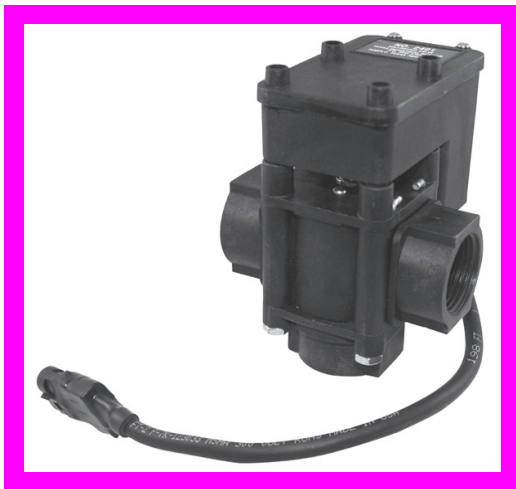
##### KT.2445

Repair Kit for MV.2402, MV.2404, and MV.2404F Valves



## 2400 SERIES 3-WAY MOTORIZED VALVES

The 2400 Series 3-way valves come as a 3-way single motorized valve, a 3-way manifold with a bypass, or a 3-way flanged manifold with a flanged bypass. These valves contain totally enclosed motors with sealed connectors that draw 2.5 amperage maximum and are protected by a self-resetting fuse. Each valve has wetted parts of glass filled nylon and 303 stainless steel with an easy to replace Viton face seal. The 2403 valves come as stackable or flanged manifolds of up to five valves. Flanges have gasket sets that allow fittings to a variety of other brand valves. Opening and closing time is .8 seconds.



**MV.2401**

### MV.2401 3-Way Motorized Valve

These are single 3-way motorized valves with a 1" NPT bottom inlet and 1" NPT side outlets. Flow can be diverted 180 degrees with the flip of a switch.

#### EQUIPMENT STANDARDS:

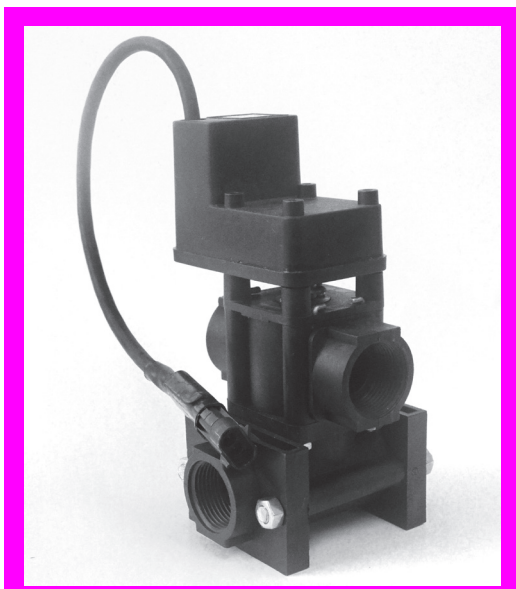
- 1" NPT Bottom Inlet
- 1" NPT Side Outlets
- Single Valve
- Open and close time is .8 seconds

**Maximum Pressure: 150 PSI (1034 kPa)**

**GPM: 0-18 (65 LPM)**

**Pressure Drop: 5 PSI at 18 GPM**

**Current Draw: 2.5 AMPs**



**MV.2403.1**

### MV.2403 Stackable 3-Way Motorized Manifold Valves

The stackable 3-way motorized manifold valves come with 1" NPT or 1-1/2" NPT threaded end plates or a blank end plate on one end. Mounting holes can be found on the bottoms of the end plates. These are available in banks of up to 5 valves.

#### EQUIPMENT STANDARDS:

- 1" NPT end plates

#### ADDITIONAL OPTIONS:

- 1-1/2" NPT end plates
- Optional blank plate
- Open and close time is .8 seconds

**Maximum Pressure: 150 PSI (1034 kPa)**

**GPM: 0-18 (65 LPM)**

**Pressure Drop: 5 PSI at 18 GPM**

**Current Draw: 2.5 AMPs**

#### CONFIGURATIONS:

##### MV.2403.1

Single 3-Way Motorized Shutoff Valve

##### MV.2403.2

Double 3-Way Motorized Shutoff Valve Bank

##### MV.2403.3

Triple 3-Way Motorized Shutoff Valve Bank

##### MV.2403.4

Quadruple 3-Way Motorized Shutoff Valve Bank

##### MV.2403.5

Quintuple 3-Way Motorized Shutoff Valve Bank



**MV.2403.1**

### MV.2403 Flanged 3-Way Motorized Manifold Valves

3-way flanged motorized manifold valves have a 1-1/2" NPT threaded manifold and 3/4" NPT threaded outlets. Flanges are grooved for gasket configuration and easy plumbing. These are available in banks of up to 5 valves.

#### EQUIPMENT STANDARDS:

- 1-1/2" NPT Threaded Flanged Bypass
- 3/4" NPT Threaded Flanged Outlets
- Open and close time is .8 seconds

**Maximum Pressure: 150 PSI (1034 kPa)**

**GPM: 0-18 (65 LPM)**

**Pressure Drop: 5 PSI at 18 GPM**

**Current Draw: 2.5 AMPs**

#### CONFIGURATIONS:

##### MV.2403.1F

Single Flanged 3-Way Motorized Valve

##### MV.2403.2F

Double Flanged 3-Way Motorized Valve Bank

##### MV.2403.3F

Triple Flanged 3-Way Motorized Valve Bank

##### MV.2403.4F

Quadruple Flanged 3-Way Motorized Valve Bank

##### MV.2403.5F

Quintuple Flanged 3-Way Motorized Valve Bank

#### ACCESSORIES:

##### KT.2447

Repair Kit for MV.2401, MV.2403, and MV.2403F Valves



**MV.2701**

## 2700 SERIES ELECTRIC BALL VALVES

The 2700 Series of Ball Valves can be used as either a 2-way or 3-way valve depending on the application. Plug one outlet for 2-way applications or remove the plug for 3-way applications. Wetted parts are made of glass filled nylon and 303 stainless steel. The motor is totally enclosed with a sealed connector and is protected by a self-resetting fuse. These valves are equipped with a Teflon shaft and ball seals. Valves come standard with 1" pipe plug. Open and close time is .8 seconds.

### MV.2701 Electric Ball Valve

Single Electric Ball Valve with 1" NPT threaded outlets and a 1" NPT threaded bottom inlet. Comes as a 2-way assembly that may be converted to a 3-way by customer.

#### EQUIPMENT STANDARDS:

- 1" NPT Bottom Inlet
- 1" NPT Side Outlets
- Single Electric Ball Valve
- Open and close time is .8 seconds

**Maximum Pressure: 200 PSI (1378 kPa)**

**GPM: 0-30 (110 LPM)**

**Pressure Drop: 5 PSI at 30 GPM**

**Current Draw: 2.5 AMPs**



**MV.2702.1**

### MV.2702 Stackable Electric Ball Manifold Valves

These stackable electric ball manifold valves come with either 1" NPT or 1-1/2" NPT threaded end plates or a blank end plate on one end. Mounting holes can be found on the bottom of end plates. These valves come as a 2-way assembly that may be converted to a 3-way by the customer. Can be assembled in a bank of up to 5 valves.

#### EQUIPMENT STANDARDS:

- 1" NPT end plates
- Open and close time is .8 seconds

#### ADDITIONAL OPTIONS:

- 1-1/2" NPT end plates
- Optional blank plate

**Maximum Pressure: 200 PSI (1378 kPa)**

**GPM: 0-30 (110 LPM)**

**Pressure Drop: 5 PSI at 30 GPM**

**Current Draw: 2.5 AMPs**

#### CONFIGURATIONS:

##### MV.2702.1

Single Electric Ball Valve

##### MV.2702.2

Double Electric Ball Valve

##### MV.2702.3

Triple Electric Ball Valve

##### MV.2702.4

Quadruple Electric Ball Valve

##### MV.2702.5

Quintuple Electric Ball Valve



**MV.2702.1F**

## MV.2702 Flanged Electric Ball Valves

The flanged electric ball manifold valves come with 1-1/2" NPT threaded flanged manifold and 3/4" NPT threaded outlets. Flanges are grooved for gasket configuration and easy plumbing. Valves come as 2-way and may be converted to a 3-way by the customer. Flanged manifold valves can be assembled into banks of up to 5 valves.

#### EQUIPMENT STANDARDS:

- 1-1/2" NPT Threaded Flanged Bypass
- 3/4" NPT Threaded Flanged Outlets
- Open and close time is .8 seconds

**Maximum Pressure: 200 PSI (1378 kPa)**

**GPM: 0-30 (110 LPM)**

**Pressure Drop: 5 PSI at 30 GPM**

**Current Draw: 2.5 AMPs**

#### CONFIGURATIONS:

##### MV.2702.1F

Single Flanged Electric Ball Valve

##### MV.2702.2F

Double Flanged Electric Ball Valve Bank

##### MV.2702.3F

Triple Flanged Electric Ball Valve Bank

##### MV.2702.4F

Quadruple Flanged Electric Ball Valve Bank

##### MV.2702.5F

Quintuple Flanged Electric Ball Valve Bank

#### ACCESSORIES:

##### KT.2532

Repair Kit for MV.2701, MV.2702, and MV.2702F Valves

## ACCESSORIES: For both 2400 & 2700 Series Valves (For valves with bolted manifolds)



##### BKT.2452

Mounting Bracket for Single Valve



##### BKT.2453

Mounting Bracket for Double Valve Bank



##### BKT.2454

Mounting Bracket for Triple Valve Bank



##### BKT.2455

Mounting Bracket for Quadruple Valve Bank



##### BKT.2456

Mounting Bracket for Quintuple Valve Bank

Valve mounting brackets are formed from 14 gauge stainless steel. Screws for mounting are included.



## RC-1B SERIES CONTROL SYSTEMS WITHOUT SOLENOID VALVES



CPL.1987

### CON.RC1B.WP Remote Sprayer Control System

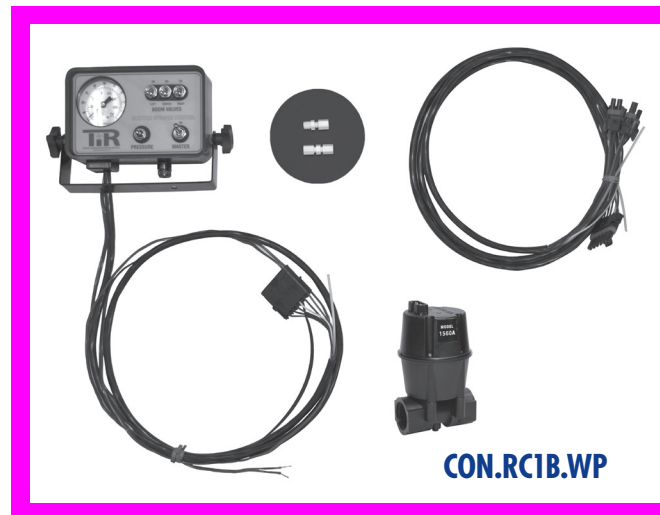
Complete and safe control of both spraying pressure and valve shut-down from the tractor seat. The cab harness of the control console attaches to the sprayer harness with quick disconnects for quick and easy coupling of the sprayer to the tractor.

#### EQUIPMENT STANDARDS:

- Remote Control Panel Assembly for 3 Valves & Pressure Regulator Control
- 6-Ft Cab Harness
- 8-Ft Power Cord
- 0-100 PSI/689 kPa Pressure Gauge (P/N PG.2762)
- 8-Ft Sprayer Harness (P/N HRN.1576.WP)
- 3/4" Pressure Regulator (P/N PR.1560A)
- Weather Pack Connectors

#### ADDITIONAL OPTIONS:

- Chemical Isolator Kits (See page 39)
- 0-200 PSI/1378 kPa 2-1/2" Pressure Gauge 1/4" NPT (P/N PG.2421)
- 0-200 PSI/1378 kPa 2-1/2" Liquid Filled Pressure Gauge 1/4" NPT (P/N PG.2421L)
- Sprayer Harnesses with Spade Terminal Connectors for Controls available
- Please specify when ordering



CON.RC1B.WP

#### CONFIGURATIONS:

##### CON.2170.2

Remote Control System for 2 Valve & Pressure Regulator Control

##### CON.2170L.2

Remote Control System for 2 Valve & Pressure Regulator Control with Liquid Filled Gauge

##### CON.2150.4

Remote Control System for 4 Valve & Pressure Regulator Control

##### CON.2150L.4

Remote Control System for 4 Valve & Pressure Regulator Control with Liquid Filled Gauge

##### CON.2160.5

Remote Control System for 5 Valve & Pressure Regulator Control

##### CON.2160L.5

Remote Control System for 5 Valve & Pressure Regulator Control with Liquid Filled Gauge

## RC-1B SERIES CONTROL SYSTEMS WITH SOLENOID VALVES



CON.2040.WP.3

### CON.2040.WP Remote Sprayer Control System

The inclusion of the SV.1999A.WP Series Valves to these TIR Remote Sprayer Control Systems gives you a full 18 GPM and up to 175 PSI. These systems are completely factory assembled for quick and convenient mounting onto a sprayer.

#### EQUIPMENT STANDARDS:

- Remote Control Panel Assembly for 3 Solenoid Valves
- 6-Ft Cab Harness
- 8-Ft Power Cord
- 0-100 PSI/689 kPa Pressure Gauge (P/N PG.2762)
- 8-Ft Sprayer Harness (P/N HRN.1576.WP)
- 3 Solenoid Valve Bank (P/N SV.1999A.3V.WP)
- Weather Pack Connectors
- 1" Pressure Regulator (P/N PR.1541A)
- Valve Mounting Bracket (P/N BKT.1990)
- 3/4" Pressure Adapter (P/N PL.2152)

#### ADDITIONAL OPTIONS:

- Multiple Cab and Sprayer Harness lengths available (See Page 31)
- 0-200 PSI/1378 kPa 2-1/2" Pressure Gauge 1/4" NPT (P/N PG.2421)
- 0-200 PSI/1378 kPa 2-1/2" Liquid Filled Pressure Gauge 1/4" NPT (P/N PG.2421L)
- Chemical Isolator Kits (See page 39)
- Sprayer Harnesses with Spade Terminal Connectors for Controls available
- Please specify when ordering

#### CONFIGURATIONS:

##### CON.2040L.WP.3

- 3 Valve Sprayer Control
- Liquid Filled Pressure Gauge 0-100 PSI/689 kPa (P/N PG.1332L)
- 3 Solenoid Valve Bank (P/N SV.1999A.3V.WP)
- Bracket (P/N BKT.1990)

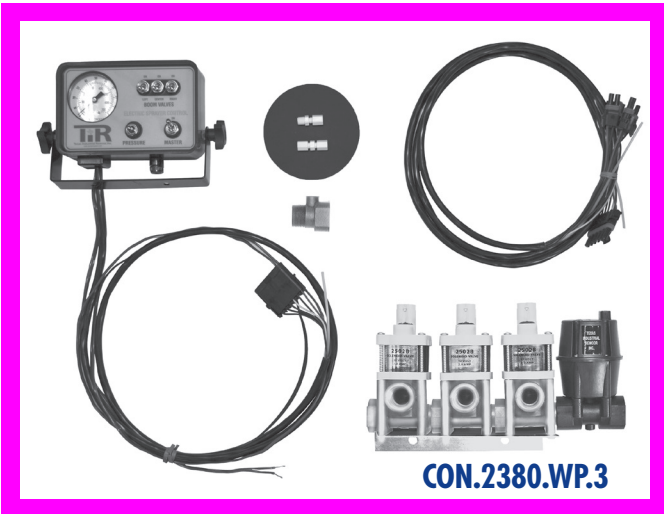
##### CON.2060.WP.2

- 2 Valve Sprayer Control
- 0-100 PSI/689 kPa Pressure Gauge (P/N PG.2762)
- 2 Solenoid Valve Bank (P/N SV.1999A.2V.WP)
- Bracket (P/N BKT.1989)

##### CON.2060L.WP.2

- 2 Valve Sprayer Control
- Liquid Filled Pressure Gauge 0-100 PSI/689 kPa (P/N PG.1332L)
- 2 Solenoid Valve Bank (P/N SV.1999A.2V.WP)
- Bracket (P/N BKT.1989)

# RC-1B Sprayer Control Systems for Multiple Booms



## CON.2380.WP Remote Sprayer Control System

Using SV.2500B.1.WP valves, this system is a great versatile choice for most of your spraying needs. The addition of the valve to the RC1B allows 10 GPM and up to 100 PSI.

### EQUIPMENT STANDARDS:

- Remote Control Panel Assembly for 3 Valve & Pressure Regulator Control
- 6-Ft Cab Harness
- 8-Ft Power Cord
- 0-100 PSI/689 kPa Pressure Gauge (P/N PG.2762)
- 8-Ft Sprayer Harness (P/N HRN.1576.WP)
- 3 Solenoid Valve Bank (P/N SV.2500B.3.WP)
- Weather Pack Connectors
- 3/4" Pressure Regulator (P/N PR.1560A)
- Valve Mounting Bracket (P/N BKT.2151)
- 3/4" Pressure Adapter (P/N PL.2152)

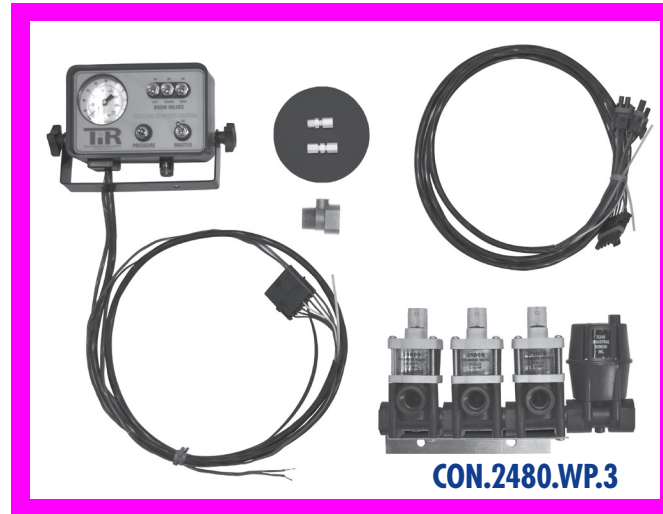
### ADDITIONAL OPTIONS:

- Multiple Cab and Sprayer Harness lengths available (See Page 31)
- 0-160 PSI/1103 kPa 2-1/2" Pressure Gauge 1/4" NPT (P/N PG.1734)
- 0-160 PSI/1103 kPa 2-1/2" Liquid Filled Pressure Gauge 1/4" NPT (P/N PG.1734L)
- Chemical Isolator Kits (See page 39)
- Sprayer Harnesses with Spade Terminal Connectors for Controls available
- Please specify when ordering

### CONFIGURATIONS:

#### CON.2635.WP.2

- 2 Valve & Pressure Regulator Control
- 0-100 PSI/689 kPa Pressure Gauge (P/N PG.2762)
- 2 Solenoid Valve Bank (P/N SV.2500B.2.WP)
- Mounting Bracket (P/N BKT.2149)



## CON.2480.WP Remote Sprayer Control System

Adding the SV.2502B.1.WP valves, these systems give you 8 GPM and up to 175 PSI. These tough systems provide an easy solution for all hands-on farmers, making large-area spraying a simple task.

### EQUIPMENT STANDARDS:

- Remote Control Panel Assembly for 3 Valve & Pressure Regulator Control
- 6-Ft Cab Harness
- 8-Ft Power Cord
- 0-100 PSI/689 kPa Pressure Gauge (P/N PG.2762)
- 8-Ft Sprayer Harness (P/N HRN.1576.WP)
- 3 Solenoid Valve Bank (P/N SV.2502B.3.WP)
- Weather Pack Connectors
- 3/4" Pressure Regulator (P/N PR.1560A)
- Valve Mounting Bracket (P/N BKT.2151)
- 3/4" Pressure Adapter (P/N PL.2152)

### ADDITIONAL OPTIONS:

- Multiple Cab and Sprayer Harness lengths available (See Page 31)
- 0-160 PSI/1103 kPa 2-1/2" Pressure Gauge 1/4" NPT (P/N PG.1734)
- 0-160 PSI/1103 kPa 2-1/2" Liquid Filled Pressure Gauge 1/4" NPT (P/N PG.1734L)
- Chemical Isolator Kits (See page 39)
- Sprayer Harnesses with Spade Terminal Connectors for Controls available
- Please specify when ordering

### CONFIGURATIONS:

#### CON.2415.WP.2

- 2 Valve & Pressure Regulator Control
- 0-200 PSI/1378 kPa Pressure Gauge (P/N PG.2421)
- 2 Solenoid Valve Bank (P/N SV.2502B.2.WP)





# RC-1B Sprayer Control Systems for Multiple Booms

## RC-1B SERIES CONTROL SYSTEM FOR MOTORIZED VALVES

### CONFIGURATIONS:

#### CON.2460.WP.3

- Remote Control Panel Assembly for 3 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2549.WP)
- 1” NPT Pressure Regulator (P/N PR.1541A)
- 0-160 PSI/1103 kPa Pressure Gauge (P/N PG.1734)

#### CON.2460L.WP.3

- Remote Control Panel Assembly for 3 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2549.WP)
- 1” NPT Pressure Regulator (P/N PR.1541A)
- 0-160 PSI/1103 kPa Liquid Filled Pressure Gauge (P/N PG.1734L)

#### CON.2545.WP.4

- Remote Control Panel Assembly for 4 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2733.WP)
- 1” NPT Pressure Regulator (P/N PR.1541A)
- 0-160 PSI/1103 kPa Pressure Gauge (P/N PG.1734)

#### CON.2545L.WP.4

- Remote Control Panel Assembly for 4 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2733.WP)
- 1” NPT Pressure Regulator (P/N PR.1541A)
- 0-160 PSI/1103 kPa Liquid Filled Pressure Gauge (P/N PG.1734L)

#### CON.2545.WP.5

- Remote Control Panel Assembly for 5 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2546.WP)
- 1” NPT Pressure Regulator (P/N PR.1541A)
- 0-160 PSI/1103 kPa Pressure Gauge (P/N PG.1734)

#### CON.2545L.WP.5

- Remote Control Panel Assembly for 5 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2546.WP)
- 1” NPT Pressure Regulator (P/N PR.1541A)
- 0-160 PSI/1103 kPa Liquid Filled Pressure Gauge (P/N PG.1734L)

#### CON.2550.WP.2

- Remote Control Panel Assembly for 2 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2553.WP)
- 1” NPT Pressure Regulator (P/N PR.1541A)
- 0-160 PSI/1103 kPa Pressure Gauge (P/N PG.1734)

#### CON.2550L.WP.2

- Remote Control Panel Assembly for 2 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2553.WP)
- 1” NPT Pressure Regulator (P/N PR.1541A)
- 0-160 PSI/1103 kPa Liquid Filled Pressure Gauge (P/N PG.1734L)

## OPTIONAL EQUIPMENT FOR RC–1B CONTROLS:

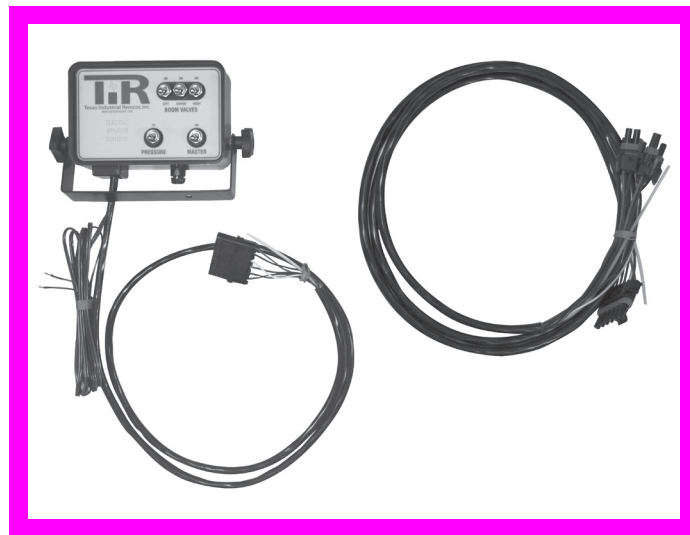
- 0-160 PSI/1103 kPa Liquid Filled Pressure Gauge (P/N PG.1734L) in lieu of standard gauge
- 0-100 PSI/689 kPa Liquid Filled Pressure Gauge (P/N PG.1332L) includes Gauge Nut (P/N NUT.1320) and Ferrule (P/N NUT.1204)
- 1” Nylon Pressure Regulator (P/N PR.1541A) in lieu of 3/4” Nylon Pressure Regulator (P/N PR.1560A)
- 10-Ft Cab Harness (P/N HRN.1294.WP) in lieu of 6-Ft Cab Harness (P/N HRN.1195.WP)
- 8-Ft Sprayer Harness (P/N HRN.2733.WP) with 6 and 2 Pin Connectors for RC-1B 4 Valve Control
- 8-Ft Sprayer Harness (P/N HRN.1244.WP) with 6 and 2 Pin Connectors for RC-1B 5 Valve Control
- 15-Ft Sprayer Harness (P/N HRN.1577.WP) in lieu of 8-Ft Sprayer Harness (P/N HRN.1576.WP)
- 24-Ft Sprayer Harness (P/N HRN.1578.WP) in lieu of 8-Ft Sprayer Harness (P/N HRN.1576.WP)
- 15-Ft Extension Harness (P/N HRN.1231.WP) Assembly with Weather Pack Quick Disconnects
- 15-Ft Extension Harness (P/N HRN.1245.WP) with 6 and 2 Pin Weather Pack Connectors for RC-1B 4 and 5 Switch Control
- Chemical Isolator Kits (See page 39)
- Sprayer Harnesses with Spade Terminal Connectors for Controls available
- Please specify when ordering

## RC-2 GAUGELESS SPRAYER CONTROL WITHOUT SOLENOID VALVES

RC-2 Remote Control Systems are designed to give the operator complete and safe control of boom shut-down from the tractor seat. The RC-2 System eliminates the pressure gauge and gauge tube for those users who want their pressure gauge mounted outside of the cab. All RC-2 Remote Control Systems are completely factory assembled for quick and convenient mounting onto a sprayer.



CPL.1985



CON.RC2.WP

## CON.RC2 – Gaugeless Remote Sprayer Control System

### EQUIPMENT STANDARDS:

- Remote Control Panel Assembly for 3 Solenoid Valves
- 6-Ft Cab Harness
- 8-Ft Power Cord
- 8-Ft Sprayer Harness (P/N HRN.1576.WP)
- Weather Pack available

### CONFIGURATIONS:

#### CON.1601.2

2 Valve Sprayer Control System

#### CON.1602.4

4 Valve Sprayer Control System

#### CON.1603.5

5 Valve Sprayer Control System

#### CON.1604.2

2 Valve Sprayer Control System with 3/4" Pressure Regulator (P/N PR.1560A)

#### CON.1605.WP.3

3 Valve Sprayer Control System with 3/4" Pressure Regulator (P/N PR.1560A)

#### CON.1607.5

5 Valve Sprayer Control System with 3/4" Pressure Regulator (P/N PR.1560A)

## RC-2 GAUGELESS SPRAYER CONTROL FOR MOTORIZED VALVES

### CONFIGURATIONS:

#### CON.1608.WP.2

- Remote Control Panel Assembly for 2 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2743.WP)

#### CON.1609.WP.3

- Remote Control Panel Assembly for 3 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2757.WP)

#### CON.1610.WP.4

- Remote Control Panel Assembly for 4 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2755.WP)

#### CON.1611.WP.5

- Remote Control Panel Assembly for 5 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2763.WP)

#### CON.1612.WP.2

- Remote Control Panel Assembly for 2 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2553.WP)
- 1" NPT Pressure Regulator (P/N PR.1541A)

#### CON.1613.WP.3

- Remote Control Panel Assembly for 3 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2549.WP)
- 1" NPT Pressure Regulator (P/N PR.1541A)

#### CON.1614.WP.4

- Remote Control Panel Assembly for 4 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2733.WP)
- 1" NPT Pressure Regulator (P/N PR.1541A)

#### CON.1615.WP.5

- Remote Control Panel Assembly for 5 Motorized Valves
- 10-Ft Cab Harness
- 10-Ft Sprayer Harness (P/N HRN.2546.WP)
- 1" NPT Pressure Regulator (P/N PR.1541A)



## RC-2 GAUGELESS SPRAYER CONTROL WITH SOLENOID VALVES



### CON.1616.3 Remote Control Sprayer System

#### EQUIPMENT STANDARDS:

- Remote Control Panel Assembly for 3 Solenoid Valves
- 6-Ft Cab Harness
- 8-Ft Power Cord
- 1" Pressure Regulator (P/N PR.1541A)
- 8-Ft Sprayer Harness (P/N HRN.1576.WP)
- 3 Solenoid valves (P/N SV.1999A.3V.WP)
- Valve Mounting Bracket (P/N BKT.1990)
- Weather Pack Connectors

**Maximum Pressure:** 175 PSI (1200 kPa)

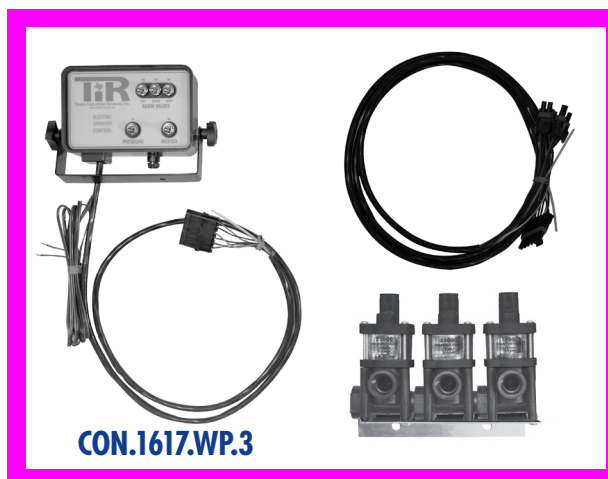
**GPM:** 0-18 (65 LPM)

**Pressure Drop:** 5 PSI at 18 GPM

**Current Draw:** 1.1 AMPs

#### ADDITIONAL OPTIONS:

- Multiple Cab and Sprayer Harness lengths available (See Page 37)
- Valves available in Aflas
- Sprayer Harnesses with Spade Terminal Connectors for Controls available
- Chemical Isolator Kits (See page 39)



### CON.1617.WP.3 Remote Control Sprayer System

#### EQUIPMENT STANDARDS:

- Remote Control Panel Assembly for 3 Solenoid Valves
- 6-Ft Cab Harness
- 8-Ft Power Cord
- 8-Ft Sprayer Harness (P/N HRN.1576.WP)
- 3 Solenoid valves (P/N SV.2100C.3V.WP)
- Valve Mounting Bracket (P/N BKT.2151)
- Weather Pack Connectors

#### ADDITIONAL OPTIONS:

- Multiple Cab and Sprayer Harness lengths available (See Page 37)
- Valves available in Aflas
- Sprayer Harnesses with Spade Terminal Connectors for Controls available
- Chemical Isolator Kits (See page 39)

**Maximum Pressure:** 125 PSI (861 kPa)

**GPM:** 0-10 (38 LPM)

**Pressure Drop:** 5 PSI at 10 GPM

**Current Draw:** 2.4 AMPs per Valve

## CON.1618.WP.3 Remote Control Sprayer Systems



#### EQUIPMENT STANDARDS:

- Remote Control Panel Assembly for 3 Solenoid Valves
- 6-Ft Cab Harness
- 8-Ft Power Cord
- 3/4" Pressure Regulator (P/N PR.1560A)
- 8-Ft Sprayer Harness (P/N HRN.1576.WP)
- 3 Solenoid Valve Bank (P/N SV.2500B.3.WP)
- Valve Mounting Bracket (P/N BKT.2151)
- Weather Pack Connectors

#### ADDITIONAL OPTIONS:

- Multiple Cab and Sprayer Harness lengths available (See Page 37)
- Valves available in Aflas
- Sprayer Harnesses with Spade Terminal Connectors for Controls available
- Chemical Isolator Kits (See page 39)

**Maximum Pressure:** 100 PSI (689 kPa)

**GPM:** 0-10 (38 LPM)

**Pressure Drop:** 5 PSI at 10 GPM

**Current Draw:** 2 AMPs

## CON.1619.WP.3 Remote Control Sprayer Systems

#### EQUIPMENT STANDARDS:

- Remote Control Panel Assembly for 3 Solenoid Valves
- 6-Ft Cab Harness
- 8-Ft Power Cord
- 3/4" Pressure Regulator (P/N PR.1560A)
- 8-Ft Sprayer Harness (P/N HRN.1576.WP)
- 3 Solenoid Valve Bank (P/N SV.2502B.3.WP)
- Valve Mounting Bracket (P/N BKT.2151)
- Weather Pack Connectors

**Maximum Pressure:** 175 PSI (1200 kPa)

**GPM:** 0-8 (35 LPM)

**Pressure Drop:** 5 PSI at 8 GPM

**Current Draw:** 2 AMPs

#### ADDITIONAL OPTIONS:

- Multiple Cab and Sprayer Harness lengths available (See Page 37)
- Chemical Isolator Kits (See page 39)
- Sprayer Harnesses with Spade Terminal Connectors for Controls available
- Please specify when ordering

## RC-10N SPRAYER CONTROL SYSTEM WITHOUT SOLENOID VALVES

### CON.RC10N Remote Sprayer Control System

These individual systems are perfect for all single valve projects. Allowing for easy customizations, TIR offers a wide variety of system assemblies. This ideal control system package is standard equipment with a 3/4" NPT pressure regulator, an 8-Ft power cord with fuse assembly and a 15-Ft harness.

#### EQUIPMENT STANDARDS:

- Remote Control Panel Assembly for 1 Valve
- 8-Ft Power Cord
- 15-Ft Cab Harness
- 0-100 PSI/689 kPa Pressure Gauge (P/N PG.1331)
- 3/4" Pressure Regulator (P/N PR.1560A)
- Weather Pack Connectors



CON.RC10N

## RC-10N SPRAYER CONTROL SYSTEM WITH SOLENOID VALVES

#### CONFIGURATIONS:

##### CON.2055.WP

- Solenoid Valve (P/N SV.1999A.1V.WP)
- 0-100 PSI/689 kPa Pressure Gauge (P/N PG.1331)
- 1" NPT Pressure Regulator (P/N PR.1541A)
- Valve Mounting Bracket (P/N BKT.1988)

**Maximum Pressure:**  
175 PSI (1200 kPa)  
**GPM: 0-18 (65 LPM)**

##### CON.2375.WP

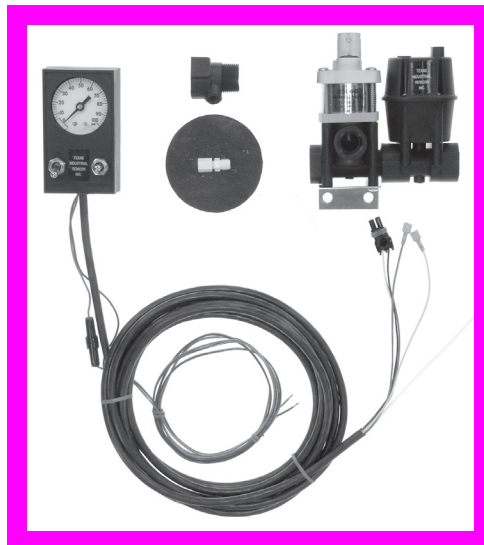
- Solenoid Valve (P/N SV.2500B.1.WP)
- 0-100 PSI/689 kPa Pressure Gauge (P/N PG.1331)
- 3/4" NPT Pressure Regulator (P/N PR.1560A)
- Valve Mounting Bracket (P/N BKT.2148)

**Maximum Pressure:**  
100 PSI (689 kPa)  
**GPM: 0-10 (38 LPM)**

##### CON.2475

- Solenoid Valve (P/N SV.2502B.1.WP)
- 0-200 PSI/1378 kPa Pressure Gauge (P/N PG.2349)
- 3/4" NPT Pressure Regulator (P/N PR.1560A)
- Valve Mounting Bracket (P/N BKT.2148)

**Maximum Pressure:**  
175 PSI (1200 kPa)  
**GPM: 0-8 (35 LPM)**



CON.2375.WP

## RC-10N SPRAYER CONTROL SYSTEM FOR MOTORIZED VALVES

#### CONFIGURATIONS:

##### CON.2490.WP

- Remote Control Panel Assembly for 1 Motorized Valve
- 0-200 PSI/1378 kPa Pressure Gauge (P/N PG.2399)
- 1" NPT Pressure Regulator (P/N PR.1541A)
- 20-Ft Harness



CON.2490

## OPTIONAL EQUIPMENT FOR CON.RC10N CONTROLS:

- 15-Ft Extension Harness with Weather Pack Quick Disconnects (HRN.1585.WP)
- Chemical Isolator Kits (See page 39)
- Controls with Spade Terminal Connectors available
- 100 PSI/689 kPa 2" Liquid Filled Pressure Gauge 1/4" NPT (P/N PG.1331L)
- 60 PSI/414 kPa 2-1/2" Pressure Gauge 1/4" NPT (P/N PG.2328)
- 200 PSI/1378 kPa 2" Pressure Gauge 1/4" NPT (P/N PG.2399)
- Chemical Isolator Kit with Bracket and Fittings for both 1/8" and 1/4" Tubing (P/N KT.2300)





## ELECTRIC PRESSURE REGULATORS

TIR pressure regulators are close-tolerance butterfly type regulators. They are equipped with a precision high torque motor combined with a high strength body for heavy duty service. Wetted parts are made from glass filled nylon and stainless steel. Viton seals are standard. These are an excellent choice for use as a bypass regulator or throttling valve. Regulators turn at 1 RPM on a 12 Volt DC system and .5 RPM on a 6 Volt DC system.

### CONFIGURATIONS:

#### PR.1541A

- 1" NPT Female Inlet and Outlet
- 1" Orifice
- Recommended for flow rates of 15 GPM (57 LPM) - 100 GPM (378 LPM)

#### PR.1560A

- 3/4" NPT Female Inlet and Outlet
- 3/4" Orifice
- Recommended for flow rates up to 50 GPM (189 LPM)



## SWITCH AND WIRE ASSEMBLY FOR PRESSURE REGULATORS

#### SW.1625

Switch and wire assembly for use with PR.1541A or PR.1560A. Has a 2-way switch with 8-Ft battery cord and 8-Ft connector. Use with PR.1541A or PR.1560A.



## SWITCH AND WIRE ASSEMBLY FOR SOLENOID SHUTOFF VALVES

#### SW.2114.WP

Switch and wire assembly for on-off control of a single solenoid shutoff valve. Comes with an 8-Ft battery power cord and 8-Ft wires with Weather Pack Connectors. Spade Terminal Connectors optional.

## CHEMICAL ISOLATORS

Chemical Isolators keep dangerous chemicals from entering the tractor or truck cab to ensure operator safety. Made from glass filled nylon and filled with non-toxic antifreeze, the isolator dampens and protects your pressure gauge from corrosive chemicals. A large capacity assures accurate pressure readings up to a maximum pressure of 150 PSI (1034 kPa).



### CONFIGURATIONS:

#### ISO.2350

Chemical Isolator with Mounting Bracket and 1/8" NPT Female threading without tube fittings

#### ISO.2391

Chemical Isolator with Mounting Bracket and 1/4" NPT Female threading without tube fittings

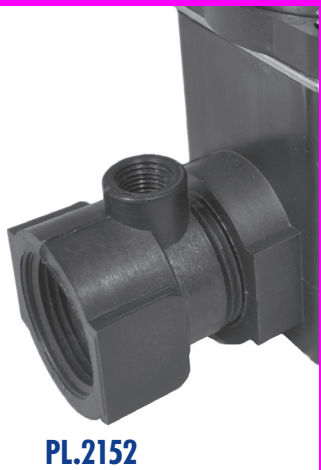
### ACCESSORIES:

#### KT.2300

- Chemical Isolator Kit with Bracket and Fittings for both 1/8" and 1/4" Tubing

## PRESSURE ADAPTOR

Used to connect the 1/8" gauge tubing from solenoid valves to the spray line. With the 2100C, 2500B, or 2502B valves, the adaptor is used on the inlet side of the valve. With the 1999A valve, the adaptor is screwed into the boom outlet.



### CONFIGURATIONS:

#### PL.2152

3/4" Plastic Adaptor

#### ADPTR.2153

1-1/2" Plastic Adaptor





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## 4 EASY WAYS TO ORDER

**Online:** [www.sprayervalves.com](http://www.sprayervalves.com) (coming soon!)

**Phone:** 254-982-4236

**Fax:** 254-982-4836

**Mail:** Texas Industrial Remcor, Inc.  
P.O. Box 872  
Little River Academy, Texas 76554, USA

## PRICING AND TERMS

- Accounts and terms are available for firms with approved credit.
- All prices are F.O.B. Academy, Texas
- Prices and specifications are subject to change without notice.

### LIMITED WARRANTY

Texas Industrial Remcor, Inc. guarantees that this product shall be free from defects in workmanship, under normal usage, for a period of 90 days from the date of original purchase. Defective units or parts should be returned to the factory with transportation prepaid. If inspection shows them to be defective, they will be repaired or replaced without charge. The use of pipe dope could void warranty. Texas Industrial Remcor, Inc. assumes no liability for consequential damages.



Texas Industrial Remcor has been in business for over 35 years. TIR continues to improve designs, ensuring that you will receive the best and most dependable valves and sprayer control systems on the market today.

Our market is your world. With shipments both domestic and abroad, we pride ourselves in producing products of the highest quality. We strive to provide you, our customers, with excellent service and rapid delivery. We truly appreciate your business and we thank you for choosing Texas Industrial Remcor Incorporated.





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***QUALITY VALVES AND CONTROLS. TODAY AND TOMORROW.***

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