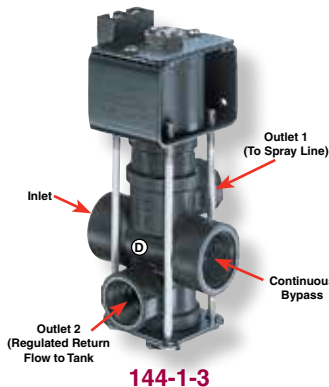


Metered By-Pass Control Valves



Automatically Maintains System Pressure When Valve is "On" or "Off"



144-1-3

These three-way solenoid operated Directo Valve can be used in conjunction with the 23520 Throttling Valve to maintain constant spraying pressure even when one or more boom sections are shut off.

To maintain constant pressure using the 23520 Throttling Valve, Outlet 2 must be throttled to match the total capacity of the nozzles on that boom section. With 3/4" flow through connections and 1/2" outlets, the 144-1-3 provides large flow capacities with minimal pressure drop (5 PSI at 8 GPM). The 12-Volt DC coil can be changed easily without removing the valve from line. Good corrosion resistance and only 2.5 amp power requirement. Can be used with 744 Sprayer Control. Maximum operating pressure is 65 psi.



144-3-3

Shown with optional 23520 throttling valve.

23520 Throttling Valve has polypropylene construction for excellent chemical resistance. 1/2" NPT connections. Pressures to 150 psi.



Part No.	Description
SS 144-1-3	Single Unit Solenoid, Less Throttling Valve
SS 144-3-3	Three Unit Solenoid, Less Throttling Valve
SS 23520PP-1/2	Optional Throttling Valve Only (Priced Each).....
SS RK14413	EPDM Repair Kit for Solenoid



- 430 Series - 12-Volt Manifold "Flowback" Valves



435EC (Five Valve Unit)

The **430 Series Flow Back Manifold** utilizes a unique ball design that relieves trapped pressure in the boom. This provides instant shutoff at nozzles and eliminates application problems.

- 0.6 Second Shutoff Time.
- Liquid from Flow Back Line Must Be Returned, Unrestricted, To The Top Of Tank
- Less Than 0.5 Amp Steady State Current Draw at 12 VDC
- Motor Available in EC (Single pole, single throw)
- Stainless Steel Ball & Stern
- Large Quick Connect Inlet Can Be Configured in a Variety of Ways
- Quick Connect Fittings Used On Outlet and Flow Back Port
- Maximum Pressure Rating of 215 PSI
- Flow Rate is 9.2 GPM (35 l/min) at a 5 PSI Drop (0.34 bar)
- Wetted Parts are Polypropylene, Stainless Steel and Viton®
- Available in 2-Way and 3-Way Versions
- Standard Spec is EC-2D Din Connector On Valve, But No Cables Included. See Cable Below.

Part No.	Description
SS 431EC	3/4", 12 Volt, Single Valve with Manifold
SS 432EC	3/4", 12 Volt, Two Valve with Manifold
SS 433EC	3/4", 12 Volt, Three Valve with Manifold
SS 435EC	3/4", 12 Volt, Five Valve with Manifold
SS 433EC-3FB	3/4" "Flowback" Manifold Valve, 3/4", 12V, Three Valve
SS 45529-3/4	3/4" Straight Hose Barb Connection Kit
SS 45529-1	1" Straight Hose Barb Connection Kit
SS 45529-90-3/4	3/4" 90 Degree Hose Barb Connection Kit
SS 45529-90-1	3/4", 90 Degree Hose Barb Connection Kit
SS 58480EC-05	Mini Din Connector x (3) Bare Wires, 20" Long
SS 58445	Replacement Motor

12-Volt DirectoValve®



144A-3 (Three Unit)

Solenoid DirectoValves provide remote on-off control for all spray equipment where 12-volt DC power is available. Polypropylene valve body. Available in 3/4" or 1" sizes. Internal parts of EPDM or Viton® provide trouble-free operation. Large internal flow chambers make these valves suitable for wettable powders. Units can be used separately or in gang applications.



144P-1 "P" Series (Single Unit)

"P" Series Directo Valves include stainless armatures, heavier coils and viton diaphragms. Best choice in hot weather.



DirectoValve®

Part No.	No. of Valves	Size	Diaphragm & Seal	PSI	Flow Capacity At 5 PSI Drop
SS 144A-1	1	3/4"x1/2"	EPDM	100	10 GPM
SS 144A-3	3	3/4"x1/2"	EPDM	100	10 GPM
SS 144A-1-VI	1	3/4"x1/2"	Viton®	100	10 GPM
SS 144P-1	1	3/4"x1/2"	Viton®	100	10 GPM
SS 144P-3	3	3/4"x1/2"	Viton®	100	10 GPM
SS 145H-1	1	1"	EPDM	100	15 GPM

Part No.	VALVE REPAIRS & ACCESSORIES
SS RK144AEP	* PKAB144A-1Kit for Current EPDM Valve
SS RK144AVI	* PRAB144A-1VI Viton Kit for Current Valve
SS RK144	* EPDM Repair Kit for Old 144 Valve
SS AB144VI	* Viton Repair Kit for Old 144 Valve
SS AB145	Repair Kit for 145-1 1" Valve
SS PKAB144P1KIT	Viton Kit for Current Valve with SS Internals
SS 14801PP	Nylon Body for 144-1 3/4" Valve
SS CP15163NYB	Solenoid Coil Only for 144A-1

* NOTE: The 144-1 Valves were replaced during 1992 by the 144A-1 series. Parts are not interchangeable.

344BE - 12-Volt DC Operated 2-Way & 3-Way Electric Ball Valves



344BEC-24C 2-Way Valve

- 1" FPT Ports, 3/4" Flow.
- Pressures to 300 psi.
- Wetted Parts: Nylon, Teflon, Polypropylene, Viton® & S.S.
- 12-Volt DC operation.
- 5 PSI pressure loss for 32 GPM flow.
- .7 Second.



344BEC-34C 3-Way Valve

12-Volt DC REMOTE CONTROL Valves

Part No.	Description
SS 344BE-24C	2-Way Valve with Double Pole SW
SS 344BEC-24C	2-Way Valve with Single Pole SW
SS 344BEC-34C	3-Way Valve with Single Pole SW
SS 50515-22CP05	Motor Sub Assembly, 22 RPM
SS 50515-25CP05	Motor Sub Assembly, 25 RPM

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