



TEEJET 744E WITH 430 MANIFOLD SPRAYER CONTROL SYSTEM

The TeeJet Technologies 744E Sprayer Controller is perfect for converting hitched sprayers and small-size trailer sprayers from manual valves to electric ball valves. The 744E is available as a complete kit equipped with a back-lit pressure gauge, active boom section LED indicator, and cable kit.

The 430 Ball Valve Manifold (ordered separately) is an ideal match for the 744E and is available with a wide variety of inlet and outlet fittings to work perfectly with your sprayer.

Features:

- Choice of 3- or 5- switch 744E Controller
- Compatible with 430 Manifold, including Regulating Valve, 3-Way Ball Valves, Pressure Relief Valve and Strainer
- Back-lit pressure gauge for easy viewing in low light conditions
- Dual scale, 100 PSI (7 bar) pressure gauge
- LED indication of active boom sections
- Kit includes harness for TeeJet 430 Ball Valve



5-Section Controller Console (90-50255) shown

744E Console Kits

- Available in 3 and 5 switch models
- 430 DIN Harness with battery connection
- Valves and fittings sold separately

PART	DESCRIPTION	PRICE (B)
90-50255	744E Console w/ 5-Section configuration	1001.10
90-50254	744E Console w/ 3-Section configuration	863.50

How To Order A Complete 744E Series Controller with 430 Series Manifold System:

1. Choose either the 5-section or 3-section 744E Controller Console
2. Choose the corresponding 5-section or 3-section Valve Manifold
3. Choose your Inlet Fittings (2 required for manifold set-up)
4. Choose your Outlet Fittings (3 or 5 required depending on manifold)
5. Choose your Bypass Fittings (2 required for manifold set-up)
6. Optionally choose the Chemical Isolator Kit



3-Section 430 Series Valve Manifold (98600-B-433EC-2) shown

TeeJet 430 Series Valve Manifolds

- Available in 3 and 5 Section models
- All valve manifolds include regulating valve (1 RPM), section valves, relief valve, and strainer.
- Inlet, Outlet, and Bypass Flow fittings sold separately.

PART	DESCRIPTION	PRICE (B)
98600-B-435EC-2	430 Series 2-Way, 5-Section Valve Manifold	2207.80
98600-B-433EC-2	430 Series 2-Way, 3-Section Valve Manifold	1619.35

TeeJet 430 Series Valve Manifold Fittings

Inlet Fittings (2 Required)		
PART	DESCRIPTION	PRICE(B)
58456-3/4	3/4" Female NPT Quick Connect Kit	25.80
58456-1	1" Female NPT Quick Connect Kit	25.80
58456-1/4	1/4" Female NPT Gauge Port Large QC Kit	25.80
58456-C	Large Quick Connect Cap Kit	25.80
58456-1000	1" Straight Hose Barb Large QC Kit	25.80
58456-1-1/4	1 1/4" Female NPT Quick Connect Kit	25.80

NOTE: "58456" Series Fittings also available in 1 1/4" & 1 1/2" FNPT and 1 1/4", 1 1/2", & 2" Hose Barb

Outlet Fittings (3 or 5 Required)		
PART	DESCRIPTION	PRICE(B)
45529-1/2	1/2" Straight Hose Barb Quick Connect Kit	13.35
45529-3/4	3/4" Straight Hose Barb Quick Connect Kit	13.35
45529-1	1" Straight Hose Barb Quick Connect Kit	13.35
45529-90-1/2	1/2" 90° Hose Barb Quick Connect Kit	13.35
45529-90-3/4	3/4" 90° Hose Barb Quick Connect Kit	13.35
45529-90-1	1" 90° Hose Barb Quick Connect Kit	13.35

Bypass Flow Fittings (2 Required*)		
PART	DESCRIPTION	PRICE(B)
45529P	Quick Connect Plug	13.35
45529-90-1	1" 90° Quick Connect Kit	13.35
45529-1	1" Quick Connect Kit	13.35

NOTE: *MUST order plug (1) and hose barb (1) when using Flow Back or 3-Way section valves

Optional Components		
PART	DESCRIPTION	PRICE(E)
2300	Chemical Isolator Kit	103.75



MATRIX® 430

GUIDANCE. SIMPLIFIED.

The compact Matrix 430 is an easy to use, low cost, graphical guidance system ideal for first-time users. The full-colour touchscreen display allows the operator to efficiently navigate fields with minimal skips and overlaps in coverage.

Matrix 430 Features and Benefits:

- High-contrast, full-colour, 4.3 inch (110 mm) graphic touchscreen display provides superior visibility in bright light conditions.
- High-Quality, internal GPS/GLONASS engine with ClearPath technology that enhances GNSS performance in areas where reception is poor or in regions where SBAS differential correction is not readily available.
- Optional RXA-30 antenna provides improved reception and noise rejection for situations where GNSS signals may be weak or partially obstructed.
- Minimal setup needed before operating.
- Guidance modes include: Straight AB, Curved AB, Circle Pivot, and Last Pass.
- Return-to-point feature allows operator to easily resume jobs or mark field hazards.
- Border function allows for easy and precise measurement of field area.
- Applied alert provides operator with audible alarm when entering into previously applied areas.
- Simple reporting function provides coverage reports in .KML or .PDF format downloaded via USB port.

ACCURACY

Correction Type	Pass-to-Pass Accuracy	Year-to-Year Repeatability
Autonomous	+/- 12-18 in / 30-45 cm	+/- 3 ft / 1m
SBAS	+/- 6-10 in / 15-25 cm <small>*Also Referred to as Sub-Meter</small>	+/- 3 ft / 1m

How To Order – Choose 430 Package with either the Patch or the RXA-30 Antenna

PART	DESCRIPTION	PRICE(H)
GD430-GLO-P-L	Matrix 430 Kit – includes Console, GPS Patch Antenna, and US lighter power cable.	2047.55
GD430-GLO-R30-L	Matrix 430 Kit – includes Console, RXA-30 Antenna, and US lighter power cable.	2576.00

Accessories for Matrix 430

PART	DESCRIPTION	PRICE(H)
CG430-GLO	Console, Matrix 430, GLONASS	1702.10
45-05645	Cable, Power, US Lighter Adapter	145.60
78-50190	Antenna, GPS Patch L1 with GLONASS	278.35
90-02720	Kit, RXA-30 Antenna with 20 ft (6 meter) Cable	775.20
90-02721	Kit, RXA-30 Antenna with 30 ft (9 meter) Cable	834.05

RXA-30 ANTENNA



PATCH ANTENNA



Mid-Tech 744 Control Box

- Kit comes complete with control box, all hardware, 244 Regulator, Liquid Gauge, and three 144A valves.
- Control box features lighted pressure gauge for night use and heavy-duty switches with LED indicators.

PART	DESCRIPTION	PRICE
90-50163	Complete Spray Control Kit w/ 144A valves.	738.00(H)
PARTS		
51-20008	Liquid Gauge – 100 PSI	14.15(E)
75-50033	Console only	358.70(H)
90-50149	Console, Bracket, Wires	413.95(H)



Power Supply Cable

Extension Cable



Replacement Wire Harness

- Use with 734/744 controller.

PART	DESCRIPTION	PRICE (F)
45-20100	Power Cable	50.15
45-20091	Extension Cable 8'	71.95
45-20079	Extension Cable 15'	123.45
45-20090	Box to Valves Cable 8'	70.10
45-20089	Box to Valves Cable 15'	125.25
45-20088	Box to Valves Cable 18'	240.20

Note: *Not shown



Aluminum Selector Valve

For manual selective control of 3-section boom sprayers at pressures up to 300 PSI.

- 1" Female NPT inlet and three 3/4" Female NPT outlets along with a 1/4" FNPT gauge port.
- 3/4" FNPT side connection for by-pass and pressure relief valve or for spray gun connection.
- Aluminum construction with stainless steel and plastic internal parts for maximum corrosion resistance.

PART	DESCRIPTION	PRICE (B)
17Y	Selector Valve	195.40
AB17	Repair Kit for 17Y Valve	55.70



2055

2055 Sprayer Control System

Single control system for sprayers which require control for only one motorized boom shut-off valve.

The 2055 Sprayer Control 12-Volt Kit includes control panel with 0 – 200 PSI pressure gauge, mounting bracket, toggle-type ON/OFF boom switch and pressure regulator switch, 8' power cord with fuse holder, 15' sprayer harness, model 1541 1" NPT pressure regulator, and model 1999A1 solenoid valve.

Maximum operating capacity of solenoid is 18 GPM and 175 PSI.

PART	DESCRIPTION	PRICE (H)
2055	2055 Sprayer Single Valve Control System	522.05

2380 Sprayer Control System

Triple controller system ideal for use on a sprayer with a three section spray boom set-up operating at 10 GPM or less.

The 2380 Sprayer Control 12-Volt Kit includes control panel with 0 – 100 PSI pressure gauge, mounting bracket, toggle-type ON/OFF boom switch and pressure regulator switch, 6' cab harness with fuse holder, 8' sprayer harness, model 1560A 3/4" NPT pressure regulator, and model 2500B-3 solenoid valves (3 x 2500B-1 valves).

Maximum operating capacity of the 2500B-3 solenoid is 10 GPM and 100 PSI.

PART	DESCRIPTION	PRICE
2380	2380 Sprayer Triple Valve Control System – 10 GPM	802.65(H)
1231	15' Extension Harness w/ Quick Disconnects	106.50(E)
1987	Spray Control Box only	417.45(E)
1576	Wire Harness – 8 foot	113.65(E)
2151	Mounting Bracket for 2500B-1 Valves	46.15(E)



2040L Sprayer Control System

Triple controller system ideal for use on a sprayer with a three section spray boom set-up operating at up to 18 GPM.

The 2040L Sprayer Control 12-Volt Kit includes control panel with 0 – 100 PSI liquid-filled pressure gauge, mounting bracket, toggle-type ON/OFF boom switch and pressure regulator switch, 6' cab harness with fuse holder, 8' sprayer harness, model 1541A 1" NPT pressure regulator, and model 1999A-3 solenoid valves (3 x 1999A-1 valves).

Maximum operating capacity of the 1999A-3 solenoid is 18 GPM and 175 PSI.

PART	DESCRIPTION	PRICE (H)
2040L	2040 Sprayer Triple Valve Control System – 18 GPM	968.25