



MATRIX® 430

GUIDANCE. SIMPLIFIED.

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

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.

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

PART	DESCRIPTION	PRICE(H)
GD430-GL0-P-L	Matrix 430 Kit – includes Console, GPS Patch Antenna, and US lighter power cable.	2131.65
GD430-GL0-R30-L	Matrix 430 Kit – includes Console, RXA-30 Antenna, and US lighter power cable.	2681.80

Accessories for Matrix 430

PART	DESCRIPTION	PRICE(H)
45-05645	Cable, Power, US Lighter Adapter	152.40
78-50190	Antenna, GPS Patch L1 with GLONASS	284.80
90-02720	Kit, RXA-30 Antenna with 20 ft (6 meter) Cable	813.65
90-02721	Kit, RXA-30 Antenna with 30 ft (9 meter) Cable	875.45

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.	838.10(H)
PARTS		
51-20008	Liquid Gauge – 100 PSI	16.05(E)
75-50033	Console only	392.65(H)
90-50149	Console, Bracket, Wires	453.15(H)



Power Supply Cable

Extension Cable



Replacement Wire Harness

- Use with 734/744 controller.

PART	DESCRIPTION	PRICE (F)
45-20100	Power Cable	57.50
45-20091	Extension Cable 8'	82.50
45-20079	Extension Cable 15'	141.60
45-20090	Box to Valves Cable 8'	80.40
45-20089	Box to Valves Cable 15'	143.60
45-20088	Box to Valves Cable 18'	275.40



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	200.80
AB17	Repair Kit for 17Y Valve	57.15

Note: *Not shown



Brass Ball Valves

- Forged brass body with plastic coated handle.
- Standard Port.
- 600 PSI W-O-G rated.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(F)
BV014	¼" FNPT x ¼" FNPT	6.60
BV038	⅜" FNPT x ⅜" FNPT	7.25
BV012	½" FNPT x ½" FNPT	9.35
BV034	¾" FNPT x ¾" FNPT	13.20
BV100	1" FNPT x 1" FNPT	21.75
BV114	1 ¼" FNPT x 1 ¼" FNPT	38.75
BV112	1 ½" FNPT x 1 ½" FNPT	54.25
BV200	2" FNPT x 2" FNPT	78.65
BV250	2 ½" FNPT x 2 ½" FNPT	172.80
BV300	3" FNPT x 3" FNPT	236.80
BV400	4" FNPT x 4" FNPT	389.15



Stainless Steel Full Port Ball Valves

- 316 Stainless Steel body with plastic coated handle.
- Full Port to reduce flow restriction.
- 1000 PSI W-O-G rated.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(E)
BVSS014	¼" FNPT x ¼" FNPT	27.45
BVSS038	⅜" FNPT x ⅜" FNPT	27.45
BVSS012	½" FNPT x ½" FNPT	29.00
BVSS034	¾" FNPT x ¾" FNPT	42.05
BVSS100	1" FNPT x 1" FNPT	56.80
BVSS114	1 ¼" FNPT x 1 ¼" FNPT	85.00
BVSS112	1 ½" FNPT x 1 ½" FNPT	121.00
BVSS200	2" FNPT x 2" FNPT	164.60
BVSS300	3" FNPT x 3" FNPT	860.35

NOTE: 304 Stainless Steel valves also available. Please inquire.



Economy PVC Ball Valves

- Rated for water only.
- EPDM Seat and Stem O-ring.
- 150 PSI @ 73°F (22°C) maximum.
- 32°F to 122°F (0°C to 50°C) operating temperature.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(F)
BVPVC012	½" FNPT x ½" FNPT	2.95
BVPVC034	¾" FNPT x ¾" FNPT	4.35
BVPVC100	1" FNPT x 1" FNPT	6.80
BVPVC114	1 ¼" FNPT x 1 ¼" FNPT	9.35
BVPVC112	1 ½" FNPT x 1 ½" FNPT	13.10
BVPVC200	2" FNPT x 2" FNPT	20.85
BVPVC300	3" FNPT x 3" FNPT	78.45
BVPVC400	4" FNPT x 4" FNPT	211.35



Brass Gate Valves

- 600 PSI W-O-G rated.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(F)
GV012	½" FNPT x ½" FNPT	12.30
GV034	¾" FNPT x ¾" FNPT	15.95
GV100	1" FNPT x 1" FNPT	22.80
GV114	1 ¼" FNPT x 1 ¼" FNPT	33.70
GV112	1 ½" FNPT x 1 ½" FNPT	44.50
GV200	2" FNPT x 2" FNPT	64.10
GV300	3" FNPT x 3" FNPT	183.50
GV400	4" FNPT x 4" FNPT	289.65



PVC Gate Valves

- 200 PSI working pressure (tested to 500 PSI @ 73°F).
- EPDM O-Ring.
- 1 ½" Female NPT X 1 ½" Female NPT

PART	DESCRIPTION	PRICE(E)
GVPVC112	1 ½" FNPT x 1 ½" FNPT	20.10



Drum / Barrel Faucet Kit

- Includes tank fitting and brass hose bib shut-off.
- Hose bib features male garden hose thread outlet.
- Perfect for rain barrels.

PART	DESCRIPTION	PRICE(F)
DRUMKIT	Drum Faucet/Tank Fitting Kit	19.95



Shut-off Valves

- All models feature Female GH x Male GH thread.
- 74VALVE, 300, 075HGB Valves – full port flow.

PART	DESCRIPTION	PRICE(F)
74VALVE	Dramm HD Poly Valve	23.95
300	Dramm Brass Valve	32.30
075HGB	Brass GH x GH Valve	29.85
DRAMMVALVE-QAV	Dramm Poly Valve	7.20



PVC Check Valves

- PVC body and poppet.
- Stainless steel spring and EPDM gasket.
- Maximum 100 PSI rating.
- Maximum temperature 140°F (160°C).
- Female NPT x Female NPT ports.

PART	DESCRIPTION	PRICE(F)
CVPVC0500	½" FNPT x ½" FNPT	8.95
CVPVC0750	¾" FNPT x ¾" FNPT	9.80
CVPVC1000	1" FNPT x 1" FNPT	14.35
CVPVC1250	1 ¼" FNPT x 1 ¼" FNPT	19.15
CVPVC1500	1 ½" FNPT x 1 ½" FNPT	19.80
CVPVC2000	2" FNPT x 2" FNPT	23.95
CVPVC3000	3" FNPT x 3" FNPT	266.95



Banjo 3" Full Port Poly Check Valve

- One piece glass reinforced poly construction.
- 150 PSI maximum.
- 1 to 2 PSI spring.
- 316 Stainless Steel spring.
- EPDM gasket.
- Female NPT x Female NPT ports.
- Flange style also available (see Banjo Manifold fitting section for more information).

PART	DESCRIPTION	PRICE(B)
CV300	3" Full Port Check Valve	70.80

Valves



8-Bolt Full Port Poly Ball Valve

- Stainless steel bolts.
- 90 PSI @ 70°F; 50 PSI @ 150°F rating.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(C)
PBV400FP	4" Full Port	546.80

8-Bolt Valve Handle – Blue

PART	DESCRIPTION	PRICE(C)
62839	4" Valve Handle	12.40



6-Bolt Full Port Poly Ball Valves

- Stainless steel bolts; self-aligning ball (diamond turned for precision).
- Viton O-Rings.
- Teflon® stem bushings and seats.
- 100 PSI @ 70°F; 75 PSI @ 150°F rating.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(C)
PBV200FP	2" Full Port	108.25
PBV300FP	3" Full Port	226.25
PBV300STD	3" Standard Port (2 1/2" ID)	162.95

6-Bolt Valve Handles

PART	DESCRIPTION	PRICE(C)
61724	2" Valve Handle – blue	12.40
V25153-GL	3" Valve Handle – green	19.05



4- Bolt Poly Ball Valves

- Stainless steel bolts; self-aligning ball (diamond turned for precision).
- Viton O-Rings.
- Teflon® stem bushings and seats.
- 150 PSI @ 70°F; 75 PSI @ 150°F rating.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(C)
PBV050FP	1/2" Full Port	51.40
PBV075FP	3/4" Full Port	51.40
PBV100FP	1" Full Port	60.20
PBV125FP	1 1/4" Full Port	75.95
PBV150FP	1 1/2" Full Port	75.95
PBV200FP-4	2" Full Port – 4 Bolt	96.05
PBV200STD	2" Standard Port	71.95

4-Bolt Valve Handles – Blue

PART	DESCRIPTION	PRICE(C)
61721	1/2", 3/4" Valve Handle	4.30
61722	1" Valve Handle	4.80
61723	2" Valve Handle	8.05



Compact 4-Bolt 2" Full Port Poly Ball Valves

- 3 Styles available – Male NPT x Female NPT, Female NPT x Female NPT (not shown), and Male NPT x Male Camlock Coupler.
- Teflon® seats and EPDM O-rings.
- 125 PSI rated @ 70°F.

PART	DESCRIPTION	PRICE(C)
PBV200FP-MF-C	2" FP MNPT x FNPT	86.45
PBV200FP-4-N	2" FP FNPT x FNPT	86.45
PBV200FP-MA-C	2" FP MNPT x M coupler	86.45

Replacement Valve Handles – Blue

PART	DESCRIPTION	PRICE(C)
61723	2" Valve Handle	8.05



3/4" and 2" Poly 3-Way Valves

- Teflon® seats and EPDM O-rings.
- 125 PSI rated @ 70°F.
- 3/4" Valve is full port; 2" valve is standard port.

PART	DESCRIPTION	PRICE(C)
3WAY-3/4	3/4" 3-Way Full Port Valve	70.35
3WAY-2	2" 3-Way Standard Port Valve	99.70

3-Way Valve Handles – Blue

PART	DESCRIPTION	PRICE(C)
61735	3/4" Valve Handle	5.60
61736	2" Valve Handle	14.85



2" 6-Bolt 90° Shut-off Full Port Valve Nozzle

- Teflon® seats and EPDM O-rings.
- 125 PSI rated @ 70°F.

PART	DESCRIPTION	PRICE(C)
PBV200FPNZ	2" Full Port 90° Nozzle	148.05

Replacement Valve Handle – Blue

PART	DESCRIPTION	PRICE(C)
61726	2" Valve Handle	12.40



1" Single Union Ball Valve - 45° Nozzle Valve

- Teflon® seats and EPDM O-rings.
- 125 PSI rated @ 70°F.

PART	DESCRIPTION	PRICE(C)
PBVSU100-45		33.45

Valve Replacement Parts

PART	DESCRIPTION	PRICE(C)
60446	1" Valve Handle - Blue	5.90



Single Union Poly Ball Valves

- Teflon® seats and EPDM O-rings.
- 125 PSI rated @ 70°F.
- Female NPT x Female NPT.

PART	DESCRIPTION	PRICE(C)
PBVSU050	1/2" Single Union Valve	21.90
PBVSU075	3/4" Single Union Valve	25.55
PBVSU100	1" Single Union Valve	30.85
PBVSU125	1 1/4" Single Union Valve	50.60
PBVSU150	1 1/2" Single Union Valve	63.20
PBVSU200	2" Single Union Valve	87.55
PBVSU300	3" Single Union Valve	237.85

Single Union Ball Valve Handles – Blue

PART	DESCRIPTION	PRICE(C)
60444	1/2" Valve Handle	3.40
60445	3/4" Valve Handle	4.30
60446	1" Valve Handle	5.90
60447	1 1/4" Valve Handle	6.30
60448	1 1/2" Valve Handle	7.35
60449	2" Valve Handle	11.05
60450	3" Valve Handle	27.75

DON'T SEE WHAT YOU NEED?
MORE VALVES AVAILABLE IN THE BANJO SECTION OF OUR CATALOGUE.



Single Union

- 100 PSI maximum at 70°F.
- EPDM O-rings.
- PTFE seats for smooth operation.

PART	DESCRIPTION	PRICE (C)
UV050FP	½" Single Union	28.50
UV075FP	¾" Single Union	28.50
UV100FP	1" Single Union	35.65
UV125FP	1¼" Single Union	61.20
UV150FP	1½" Single Union	60.75
UV200FP	2" Single Union	77.15



6 Bolt Valves

- Stainless steel bolts.
- FKM (viton type) seals.
- 100% PTFE ball seats.

PART	DESCRIPTION	PRICE (C)
V200FP	2" Full Port	113.70
V300	3" Standard Port	183.00
V300FP	3" Full Port	271.65
V400	4" Standard Port	593.70



4 Bolt Full Port

- FKM (viton type seals).
- Self aligning ball.
- Ball is diamond turned for precise fit.
- Maximum 150 PSI at 70°F.
- Maximum 75 PSI at 150°F.
- Stainless steel bolts.

PART	DESCRIPTION	PRICE (C)
VFMT204FP	2" MPT x Male Cam-Lock	120.45
V204FP	2" FPT Full Port	107.80



4 Bolt Valves

- Self aligning ball.
- Diamond turned ball.
- Stainless steel bolts.

PART	DESCRIPTION	PRICE (C)
V050	½" Full Port	58.55
V075-BJ	¾" Full Port	58.55
V100SP	1" Standard Port	58.55
V100FP	1" Full Port	64.55
V125	1¼" Standard Port	64.55
V125FP	1¼" Full Port	82.95
V150	1½" Full Port	82.95
V200	2" Standard Port	82.95



Poly Dispensing Nozzle

- Glass filled polypropylene.
- Stainless steel handle.
- Padlock capability.
- 75 PSI maximum.

PART	DESCRIPTION	PRICE (C)
VN100	1" Poly Nozzle	103.70



Nozzle Valves

PART	DESCRIPTION	PRICE (C)
VA150	1½" Nozzle Valve 90 Degree	99.85
VA200	2" Nozzle Valve 90 Degree	99.85
VA200/150	2" x 1½" Nozzle Valve 90 Degree	97.20
VA200FP	2" Full Port Nozzle Valve	145.40

Banjo Stubby Valves



Banjo 2" Full Port "Stubby" Ball Valves

- Stainless Steel bolts
- 100% PTFE ball seats
- Glass-filled polyethylene body construction
- FKM (Viton-type) body seals
- Unique, lightweight design
- 100 PSI @ 70°F and 75 PSI @ 150°F



PART	DESCRIPTION	PRICE (C)
VSF204FP	2" Male Adapter x 2" FNPT	110.25

PART	DESCRIPTION	PRICE (C)
VSFMT204FP	2" Male Adapter x 2" MNPT	110.25

PART	DESCRIPTION	PRICE (C)
VSFMT204HSFP	2" Male Adapter x 2" MNPT w/ SS Ball, Stem, & Handle	289.40

Banjo 2" and 3" "Stubby" Manifold Ball Valves

- Stainless Steel bolts
- Multiple design options
- Glass-filled polyethylene body construction
- FKM (Viton-type) body seals
- Unique, lightweight design
- 100 PSI @ 70°F and 75 PSI @ 150°F



PART	DESCRIPTION	PRICE (C)
VSM200CF	2" Flange x 2" Male NPT	106.40

PART	DESCRIPTION	PRICE (C)
VSF200CF	2" Flange x 2" Male Adapter	91.35

PART	DESCRIPTION	PRICE (C)
MVS220FP	2" Full Port Flange x 2" Female NPT	132.30



PART	DESCRIPTION	PRICE (C)
MVSF220FP	2" Full Port Flange x 2" Male Adapter	110.25

PART	DESCRIPTION	PRICE (C)
MVS220CF	2" Full Port Flange x 2" Full Port Flange	110.25

PART	DESCRIPTION	PRICE (C)
MVSMT220FP	2" Full Port Flange x 2" Male NPT	110.25



PART	DESCRIPTION	PRICE (C)
MVSF300	3" Flange x 3" Male Adapter	219.30

PART	DESCRIPTION	PRICE (C)
MVSMT300	3" Flange x 3" Male NPT	281.55

PART	DESCRIPTION	PRICE (C)
MVS300CF	3" Flange x 3" Flange	219.30
MVS300CFFP	3" Full Port Flange x 3" Full Port Flange (shown)	268.25



Mini Pipe Fittings

- Heavy duty glass reinforced polypropylene (Schedule 80)
- Lightweight with excellent strength
- Excellent chemical resistance
- 1/4" to 3/8" sizes available
- NPT Threads
- Pressure rated to 150 PSI @ 70°F



PART	DESCRIPTION	PRICE (C)
CAPO25	1/4" FNPT Threaded Cap	3.40
CAPO38	3/8" FNPT Thread Cap	3.85



PART	DESCRIPTION	PRICE (C)
CPLG025	1/4" FNPT Poly Coupling	6.35



PART	DESCRIPTION	PRICE (C)
CR025	1/4" FNPT Cross	17.65



PART	DESCRIPTION	PRICE (C)
EL025-90	1/4" Elbow FNPT x FNPT	5.15



PART	DESCRIPTION	PRICE (C)
HBT025	1/4" Hose Barb Tee	2.55
HBT038	3/8" Hose Barb Tee	2.65



PART	DESCRIPTION	PRICE (C)
HM025	1/4" Hose Mender – WQL	CALL
HM038	3/8" Hose Mender	2.25



PART	DESCRIPTION	PRICE (C)
PLUG025	1/4" Pipe Plug MNPT	4.95
PLUG038	3/8" Pipe Plug MNPT	4.95



PART	DESCRIPTION	PRICE (C)
SL025-90	1/4" NPT Street Elbow	5.15



PART	DESCRIPTION	PRICE (C)
TEE025	1/4" FNPT Poly Pipe Tee	6.70
TEE038	3/8" FNPT Poly Pipe Tee	6.90

Poly Micro Valves

- Full Port design with 90° rotating handle
- Precision molded glass-filled poly for added strength
- Standard FKM (Viton-type) seats and O-rings
- Maximum operating pressure 300 PSI

Also available in John Guest® Push Lock connections. Please call for info.



PART	DESCRIPTION	PRICE (C)
LV025MTV	1/4" FNPT x 1/4" MNPT Valve	34.55
LV038MTV	3/8" FNPT x 3/8" MNPT Valve	34.55
LV050MTV	1/2" FNPT x 1/2" MNPT Valve	34.55
LV038050MTV	3/8" FNPT x 1/2" MNPT Valve	34.55
LV050100MTV	1/2" FNPT x 1" MNPT Valve	39.55



PART	DESCRIPTION	PRICE (C)
LV025V	1/4" FNPT x 1/4" FNPT Valve	34.55
LV038V	3/8" FNPT x 3/8" FNPT Valve	34.55
LV050V	1/2" FNPT x 1/2" FNPT Valve	34.55



PART	DESCRIPTION	PRICE (C)
LVHB025V	1/4" Hose Barb Valve	33.15
LVHB038V	3/8" Hose Barb Valve	34.55
LVHB050V	1/2" Hose Barb Valve	34.55
LVHB075V	3/4" Hose Barb Valve	34.55



PART	DESCRIPTION	PRICE (C)
LV050SLV	1/2" FNPT Side Load Valve	47.00



PART	DESCRIPTION	PRICE (C)
LVHB038050MTV	3/8" HB x 1/2" MNPT Valve	34.55
LVHB075MTV	3/4" HB x 3/4" MNPT Valve	34.55
LVHB075100MTV	3/4" HB x 1" MNPT Valve	39.55



Barrel Hardware Clamps

- Perfect for tight, hard to reach places
- Minimizes protruding parts by tightening together versus tightening away from
- Deep socket tools not required
- 300 Stainless Steel construction

PART	DESCRIPTION	PRICE (C)
BC090	3/4" Barrel Clamp – .91" to .98"	17.45