



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



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	4.95
BV038	¾" FNPT x ¾" FNPT	4.80
BV012	½" FNPT x ½" FNPT	6.35
BV034	¾" FNPT x ¾" FNPT	9.85
BV100	1" FNPT x 1" FNPT	16.25
BV114	1 ¼" FNPT x 1 ¼" FNPT	26.30
BV112	1 ½" FNPT x 1 ½" FNPT	40.50
BV200	2" FNPT x 2" FNPT	53.40
BV250	2 ½" FNPT x 2 ½" FNPT	127.25
BV300	3" FNPT x 3" FNPT	174.35
BV400	4" FNPT x 4" FNPT	290.80



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	27.00
BVSS038	¾" FNPT x ¾" FNPT	27.00
BVSS012	½" FNPT x ½" FNPT	14.75
BVSS034	¾" FNPT x ¾" FNPT	41.30
BVSS100	1" FNPT x 1" FNPT	55.80
BVSS114	1 ¼" FNPT x 1 ¼" FNPT	83.55
BVSS112	1 ½" FNPT x 1 ½" FNPT	119.00
BVSS200	2" FNPT x 2" FNPT	161.90
BVSS300	3" FNPT x 3" FNPT	773.05

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	2.80
BVPVC034	¾" FNPT x ¾" FNPT	4.15
BVPVC100	1" FNPT x 1" FNPT	6.45
BVPVC114	1 ¼" FNPT x 1 ¼" FNPT	8.90
BVPVC112	1 ½" FNPT x 1 ½" FNPT	12.50
BVPVC200	2" FNPT x 2" FNPT	19.90
BVPVC300	3" FNPT x 3" FNPT	74.70
BVPVC400	4" FNPT x 4" FNPT	201.30



Brass Gate Valves

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

PART	DESCRIPTION	PRICE(F)
GV012	½" FNPT x ½" FNPT	9.15
GV034	¾" FNPT x ¾" FNPT	11.45
GV100	1" FNPT x 1" FNPT	17.05
GV114	1 ¼" FNPT x 1 ¼" FNPT	22.70
GV112	1 ½" FNPT x 1 ½" FNPT	33.25
GV200	2" FNPT x 2" FNPT	47.90
GV300	3" FNPT x 3" FNPT	121.25
GV400	4" FNPT x 4" FNPT	188.95



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 PVC 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	13.95



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	23.25
300	Dramm Brass Valve	31.35
075HGB	Brass GH x GH Valve	29.85
DRAMMVALVE-QAV	Dramm Poly Valve	6.95



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	8.65
CVPVC0750	¾" FNPT x ¾" FNPT	9.50
CVPVC1000	1" FNPT x 1" FNPT	13.85
CVPVC1250	1 ¼" FNPT x 1 ¼" FNPT	18.50
CVPVC1500	1 ½" FNPT x 1 ½" FNPT	19.15
CVPVC2000	2" FNPT x 2" FNPT	23.15
CVPVC3000	3" FNPT x 3" FNPT	170.90



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	67.95

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	469.40

8-Bolt Valve Handle – Blue

PART	DESCRIPTION	PRICE(C)
62839	4" Valve Handle	11.45



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	82.35
PBV300FP	3" Full Port	212.05
PBV300STD	3" Standard Port (2 1/2" ID)	152.70

6-Bolt Valve Handles

PART	DESCRIPTION	PRICE(C)
61724	2" Valve Handle – blue	11.45
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	44.15
PBV075FP	3/4" Full Port	44.15
PBV100FP	1" Full Port	51.70
PBV125FP	1 1/4" Full Port	65.20
PBV150FP	1 1/2" Full Port	65.20
PBV200FP-4	2" Full Port – 4 Bolt	90.05
PBV200STD	2" Standard Port	67.45

4-Bolt Valve Handles – Blue

PART	DESCRIPTION	PRICE(C)
61721	1/2", 3/4" Valve Handle	4.00
61722	1" Valve Handle	4.45
61723	2" Valve Handle	7.40



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	74.20
PBV200FP-4-N	2" FP FNPT x FNPT	74.20
PBV200FP-MA-C	2" FP MNPT x M coupler	79.45

Replacement Valve Handles – Blue

PART	DESCRIPTION	PRICE(C)
61723	2" Valve Handle	7.40



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	60.45
3WAY-2	2" 3-Way Standard Port Valve	85.60

3-Way Valve Handles – Blue

PART	DESCRIPTION	PRICE(C)
61735	3/4" Valve Handle	5.20
61736	2" Valve Handle	13.70

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



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	18.80
PBVSU075	3/4" Single Union Valve	21.95
PBVSU100	1" Single Union Valve	26.50
PBVSU125	1 1/4" Single Union Valve	43.45
PBVSU150	1 1/2" Single Union Valve	54.25
PBVSU200	2" Single Union Valve	70.95
PBVSU300	3" Single Union Valve	204.20

Single Union Ball Valve Handles – Blue

PART	DESCRIPTION	PRICE(C)
60444	1/2" Valve Handle	3.10
60445	3/4" Valve Handle	4.00
60446	1" Valve Handle	5.45
60447	1 1/4" Valve Handle	5.80
60448	1 1/2" Valve Handle	6.75
60449	2" Valve Handle	10.20
60450	3" Valve Handle	25.60



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	127.10

Replacement Valve Handle – Blue

PART	DESCRIPTION	PRICE(C)
61726	2" Valve Handle	11.45



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		31.50

Valve Replacement Parts

PART	DESCRIPTION	PRICE(C)
60446	1" Valve Handle - Blue	5.45



Single Union

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

PART	DESCRIPTION	PRICE (C)
UV050FP	½" Single Union	28.10
UV075FP	¾" Single Union	28.10
UV100FP	1" Single Union	35.15
UV125FP	1¼" Single Union	60.25
UV150FP	1½" Single Union	59.85
UV200FP	2" Single Union	76.00



6 Bolt Valves

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

PART	DESCRIPTION	PRICE (C)
V200FP	2" Full Port	109.10
V300	3" Standard Port	175.65
V300FP	3" Full Port	260.75
V400	4" Standard Port	569.85



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	115.65
V204FP	2" FPT Full Port	103.45



4 Bolt Valves

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

PART	DESCRIPTION	PRICE (C)
V050	½" Full Port	54.70
V075-BJ	¾" Full Port	54.70
V100SP	1" Standard Port	54.70
V100FP	1" Full Port	60.30
V125	1¼" Standard Port	60.30
V125FP	1¼" Full Port	77.50
V150	1½" Full Port	77.50
V200	2" Standard Port	77.50



Poly Dispensing Nozzle

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

PART	DESCRIPTION	PRICE (C)
VN100	1" Poly Nozzle	99.55



Nozzle Valves

PART	DESCRIPTION	PRICE (C)
VA150	1½" Nozzle Valve 90 Degree	93.30
VA200	2" Nozzle Valve 90 Degree	93.30
VA200/150	2" x 1½" Nozzle Valve 90 Degree	93.30
VA200FP	2" Full Port Nozzle Valve	139.55

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	103.00

PART	DESCRIPTION	PRICE (C)
VSFMT204FP	2" Male Adapter x 2" MNPT	103.00

PART	DESCRIPTION	PRICE (C)
VSFMT204HSFP	2" Male Adapter x 2" MNPT w/ SS Ball, Stem, & Handle	270.30

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	99.40

PART	DESCRIPTION	PRICE (C)
VSF200CF	2" Flange x 2" Male Adapter	85.30

PART	DESCRIPTION	PRICE (C)
MVS220FP	2" Full Port Flange x 2" Female NPT	123.55



PART	DESCRIPTION	PRICE (C)
MVSF220FP	2" Full Port Flange x 2" Male Adapter	103.00

PART	DESCRIPTION	PRICE (C)
MVS220CF	2" Full Port Flange x 2" Full Port Flange	103.00

PART	DESCRIPTION	PRICE (C)
MVSMT220FP	2" Full Port Flange x 2" Male NPT	103.00



PART	DESCRIPTION	PRICE (C)
MVSF300	3" Flange x 3" Male Adapter	210.45

PART	DESCRIPTION	PRICE (C)
MVSMT300	3" Flange x 3" Male NPT	263.00

PART	DESCRIPTION	PRICE (C)
MVS300CF	3" Flange x 3" Flange	210.45
MVS300CFPP	3" Full Port Flange x 3" Full Port Flange (shown)	257.45



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	3.65



PART	DESCRIPTION	PRICE (C)
CPLG025	1/4" FNPT Poly Coupling	6.05



PART	DESCRIPTION	PRICE (C)
CR025	1/4" FNPT Cross	17.65
CR038	3/8" FNPT Cross	19.40



PART	DESCRIPTION	PRICE (C)
EL025-90	1/4" Elbow FNPT x FNPT	4.85



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



PART	DESCRIPTION	PRICE (C)
HM025	1/4" Hose Mender	1.75
HM038	3/8" Hose Mender	2.10



PART	DESCRIPTION	PRICE (C)
PLUG025	1/4" Pipe Plug MNPT	4.70
PLUG038	3/8" Pipe Plug MNPT	4.70



PART	DESCRIPTION	PRICE (C)
SL025-90	1/4" NPT Street Elbow	4.85



PART	DESCRIPTION	PRICE (C)
TEE025	1/4" FNPT Poly Pipe Tee	6.35
TEE038	3/8" FNPT Poly Pipe Tee	6.55

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	33.15
LV038MTV	3/8" FNPT x 3/8" MNPT Valve	33.15
LV050MTV	1/2" FNPT x 1/2" MNPT Valve	33.15
LV038050MTV	3/8" FNPT x 1/2" MNPT Valve	33.15
LV050100MTV	1/2" FNPT x 1" MNPT Valve	37.95



PART	DESCRIPTION	PRICE (C)
LV025V	1/4" FNPT x 1/4" FNPT Valve	33.15
LV038V	3/8" FNPT x 3/8" FNPT Valve	33.15
LV050V	1/2" FNPT x 1/2" FNPT Valve	33.15



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



PART	DESCRIPTION	PRICE (C)
LV050SLV	1/2" FNPT Side Load Valve	45.10



PART	DESCRIPTION	PRICE (C)
LVHB038050MTV	3/8" HB x 1/2" MNPT Valve	33.15
LVHB075MTV	3/4" HB x 3/4" MNPT Valve	33.15
LVHB075100MTV	3/4" HB x 1" MNPT Valve	37.95



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
BC114	1" Barrel Clamp – 1.14" to 1.22"	17.65