

# SPRAYER

## PARTS CATALOGUE

Nozzles and Nozzle Accessories ▪ Valves and Manifolds ▪ Gauges and Calibration ▪ Fittings & Cam Locks ▪ Hose ▪ Pumps ▪ Spray Guns and Accessories ▪ Tanks and Tank Components ▪ Monitors, Accessories and more!



# Westward has the part!

**Westward has the part!** That's our commitment to you, and that's what sets us apart. Westward Parts has over 45 years of expertise with all makes of agricultural parts, sprayer parts, sprayers, as well as ground maintenance and estate equipment. Our Canadian dealers are served from three different warehouse locations across the country, and our Australian dealers are served through the MacDon Parts Distribution Centre in Melbourne. Westward Parts offers our dealers the most comprehensive product portfolio and exclusive product offerings. And it will all be delivered on time, with an enjoyable customer service experience that won't let you down.

## Westward Parts Distribution:

- 📍 **RED DEER, AB**  
Canada
- 📍 **REGINA, SK**  
Canada
- 📍 **WINNIPEG, MB**  
Canada
- 📍 **MELBOURNE**  
Australia



6517 - 67 St.  
Red Deer, AB T4P 1A3  
1-888-937-7278  
Fx: 1-800-661-4508

201 Henderson Dr.  
Regina, SK S4N 7E2  
1-888-937-7278  
Fx: 1-800-721-2977

1435 St. James St.  
Winnipeg, MB R3H 0W9  
1-888-937-7278  
Fx: 1-800-257-8338

**WWW.WESTWARDPARTS.COM**

## How to Order

### Welcome to the Westward Parts Sprayer Parts Catalogue!



This catalogue is divided into 9 sections:

1	Nozzles and Nozzle Accessories	
2	Valves and Manifolds	
3	Gauges and Calibration	
4	Fittings & Cam Locks	
5	Hose	
6	Pumps	
7	Spray Guns and Accessories	
8	Tanks and Tank Components	
9	Monitors and Accessories	

**Color Coded**  
For easier navigation!



Westward Parts Authorized Dealers can now order parts in two easy ways!  
You can now order by **Manufacturer Number**, or by **Westward Part Number**.

	 <b>Online</b>	 <b>Phone</b>	 <b>Fax</b>
<b>Manufacturer #</b>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Westward Part #</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Please contact Westward Parts  
Customer Service Team for assistance.  
**1-888-937-7278**

A cross reference for Manufacturer Part Number/ Westward Parts Number can be found at the back of each section.

Note: Some of the items in this catalogue are not listed with a Westward Parts Number. If you would like to receive a quote or request that we add an item to our catalogue offer, please contact us at 1-888-937-7278 for assistance.

**Not a Dealer?** [Find your dealer at www.WestwardParts.Com/Find-A-Dealer](http://www.WestwardParts.Com/Find-A-Dealer)

## Sprayer Parts Catalogue

### Section 1 - Nozzles and Nozzle Accessories

TeeJet Tips, Caps and Accessories .....	1-1
Hypro Tips, Caps and Accessories .....	1-38
Wilger Tips, Caps and Accessories.....	1-50
GreenLeaf Technologies Tips, Caps and Accessories .....	1-65
Tip Strainers.....	1-81
TeeJet Nozzle Bodies and Accessories.....	1-83
Hypro Nozzle Bodies and Accessories .....	1-100
Wilger Nozzle Bodies and Accessories .....	1-107
Inline Strainers.....	1-118
Banjo Clamps.....	1-136
TeeJet Clamps.....	1-138
Wilger Clamps .....	1-139
Hypro Clamps .....	1-141
Cross Reference .....	1-142

### Section 2 - Valves and Manifolds

Banjo Micro Valves .....	2-1
Banjo Ball Valves.....	2-3
Banjo Nozzle Valves.....	2-9
Banjo Electric Valves.....	2-10
Banjo Manifold Valves .....	2-20
Banjo Manifold Flange Connections.....	2-24
Banjo Dry-Mates.....	2-28
Banjo Spinweld Valves .....	2-32
Banjo FDA Union Valve and Adapter .....	2-32
TeeJet Electric Valves.....	2-33
TeeJet Manual Shutoff Ball Valves .....	2-46
TeeJet Regulating Valves.....	2-48
TeeJet Valves.....	2-50
Wilger Boom End Flush Valves .....	2-51
TIR Solenoid Valves.....	2-52
Greenleaf Incorporated Poly Shutoff Valves.....	2-55
Other Brands Valves .....	2-56
TeeJet Flow Indicators .....	2-58
Banjo Flow Indicators .....	2-59
Wilger Flow Indicators.....	2-60
Cross Reference .....	2-64



## Sprayer Parts Catalogue

### Section 3 - Gauges and Calibration

Gauges, Sensors, Wiring .....	3-1
Calibration Equipment .....	3-4
Cross Reference .....	3-6



### Section 4 - Fittings & Cam Locks

Couplings .....	4-1
Fittings .....	4-33
Hose Barbs, Menders, Sharks .....	4-55
Garden, Hose Parts, Accessories .....	4-59
Tank and Tanks Components .....	4-64
Cable Management .....	4-70
Sealant / Fastener .....	4-71
Specialty Strainers .....	4-72
Cross Reference .....	4-73



### Section 5 - Hose

#### Chemical Resistant Suction & Discharge Hose - Air Seeder Hose

PVC Suction Hose - Air Seeder Hose .....	5-1
Poly Rubber Suction .....	5-1
Medium-duty polyurethane dry material handling hose .....	5-2
EPDM Hose .....	5-2
PVC Layflat Hose / Water Discharge PVC .....	5-3

#### Petroleum Hose

Farm Tank Hose .....	5-4
Gravity Tank Hose - Assemblies Without Static Wire .....	5-4
Farm Fuel Transfer Hose - Assemblies .....	5-4

#### Tubing and Accessories

Nylon Tubing/Gauge Tubing .....	5-5
Non-Reinforced Natural EVA - Boxed .....	5-5
Reinforced Natural EVA - Bulk .....	5-5
Non-Reinforced Clear Vinyl - Boxed .....	5-6

#### Grain Vac Hose - Material Handling Hose

Material Handling Rubber- ARS Suction .....	5-7
Bulk Material Handling Hose - Bulk/Uncoupled- Lightweight .....	5-7



## Sprayer Parts Catalogue

### Section 5 - Hose

#### Air, Water, Multi-Purpose Hose

200 PSI Multipurpose (AG200) -Bulk/Uncoupled - EPDM Hose .....	5-8
300 PSI Multipurpose (AG300) - Bulk/Uncoupled - EPDM Hose .....	5-8
Series 7093 (Black) GST II General Service Air & Water Hose - EPDM Hose .....	5-9
General Purpose - PVC Hose .....	5-9
General Purpose - Wingfoot Hose.....	5-10

#### Pressure Washer Hose

Cleaning Equipment .....	5-10
--------------------------	------



### Section 6 - Pumps, Replacement Parts and Accessories

#### Ace Pumps

Application Information .....	6-1
Hydraulic Driven Centrifugal Pumps.....	6-3
PTO Belt Driven Centrifugal Pumps .....	6-32
Gasoline Engine Driven Centrifugal Pumps .....	6-38
Belt Driven Centrifugal Pumps .....	6-45

#### Hypro Pumps

Application Information .....	6-55
Centrifugal Pumps .....	6-58
Transfer Pumps.....	6-74
Roller Pumps .....	6-77
Diaphragm Pumps .....	6-88
Other Pumps .....	6-91
Shurflo Pumps .....	6-93
Piston & Plunger Pumps .....	6-105

#### Banjo Pumps

Centrifugal Pumps .....	6-111
-------------------------	-------

#### Other Brands Pumps

Diaphragm Pumps .....	6-117
Electric Diaphragm Pumps .....	6-122
Cross Reference .....	6-124



## Sprayer Parts Catalogue

### Section 7 - Spray Guns, Replacement Parts and Accessories

Hypro Handguns.....	7-1
TeeJet Handguns .....	7-2
Other Brands Handguns .....	7-9
Pressure Washer Parts.....	7-10
Cross Reference.....	7-11



### Section 8 - Tanks, Tank Components and Accessories

Sprayer Tanks.....	8-1
Tank Saddles .....	8-5
Tank Agitator & Eductor .....	8-6
Tank Cleaning Equipment .....	8-8
Tank Fittings.....	8-11



### Section 9- Monitors and Accessories

Control Systems.....	9-1
----------------------	-----



Westward Parts can source many other special order items that are not listed in this catalogue, please visit our website at **westwardparts.com** or call us directly at **1-888-937-7278**. Our team will help you find what you need.

Parts offered by Westward Parts Services Ltd. are provided by different manufacturers. The use of OEM part numbers are for identification purposes only - No implication is made that the parts are, in fact, the OEM part (unless specified otherwise). The product images shown are for illustration purposes only and may not be an exact representation of the product.

This catalogue is intended for quick reference use. While a great deal of effort has been made to ensure application information, descriptions, and specifications are accurate, Westward Parts Services Ltd. cannot guarantee accuracy as a result of ever-changing model information, product updates, and superseded parts. Westward Parts Services Ltd. will not be liable to any third party should any of the information contained within this catalogue be in error.

***Westward has the part!***



## RC-1B Series Control Systems

## Control Systems

### Control Units

Westward Part#	Mfr Part #	Description
SPP23803WP	23803WP	RC1B WP Control System
SPP76600	RC-1B	Remote control system without solenoid valves but with 1560 pressure valve
SPPRC1B	RC1B	3 Boom Control System 100 PSI



### Replacement Parts

Westward Part#	Mfr Part #	Description
SPP76610	1214	Boom Switch
SPP76618	1181	1/8 NPT x 1/8 Tube Fitting
SPP76621	1182	1/8" Tube Union

## Electric Pressure Regulator

## Control Systems

### Pressure Regulators

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).

Westward Part#	Mfr Part #	Description
SPP76630	1560A	PR.1560A Pressure Regulator
SPP76631	1541A	PR.1541A Pressure Regulator



### Replacement Parts

Westward Part#	Mfr Part #	Description
SPP76638	1576	8' (2.4 m) sprayer harness (standard)
SPP76866	SW.1625	Switch and wire assembly for use with PR.1541A or PR.1560A. Has a 2-Way switch with 8' PowerCord and 8' Connector Wire.*

## Accessories

## Control Systems

### Chemical Isolator

Westward Part#	Mfr Part #	Description
SPP76649	KT.2300	Chemical Isolator Kit



Westward Parts can source many other special order items that are not listed in this catalogue, please visit our website at [westwardparts.com](http://westwardparts.com) or call us directly at 1-888-937-7278. Our team will help you find what you need. The product images shown are for illustration purposes only and may not be an exact representation of the product.

## Hypro® Duo React

## Control Systems

### Compact and Economical Twin Pneumatic Valve Nozzle Body and Control System

#### Features and Benefits:

- Increase productivity by allowing operator to increase speed range while maintaining droplet spectrum by automatically switching nozzles based on pressure and droplet size
- Utilize pre-selected nozzle pairs for contact or systemic chemistries
- Program to automatically switch at pressures specified on the chemical label to increase speed range
- Increase efficiency by not having to leave the cab to switch nozzles when changing application rate or nozzle types (herbicide vs fertilizer, drift reducing vs standard, etc)
- Easy to install system that requires only a speed input
- Works side-by-side with rate controller without having to communicate with the controller
- Electro-pneumatic nozzle body replaces section control valve and provides fast on/off control (0.3 second) of sprays with manual or automatic nozzle selection control



Electro-Pneumatic  
(Leader)

Pneumatic  
(Follower)



Quickly and easily switch to a drift reducing nozzle alongside field boundaries or between liquid fertilizer and other nozzles from the cab.



Simple console allows for automatic or manual switching between Nozzle A, Nozzle B or Nozzles A + B



Apply variable rate liquid fertilizer by selecting the nozzle size combination that offers your desired application.



Duo React  
Console

Westward Parts can source many other special order items that are not listed in this catalogue, please visit our website at [westwardparts.com](http://westwardparts.com) or call us directly at 1-888-937-7278. Our team will help you find what you need. The product images shown are for illustration purposes only and may not be an exact representation of the product.

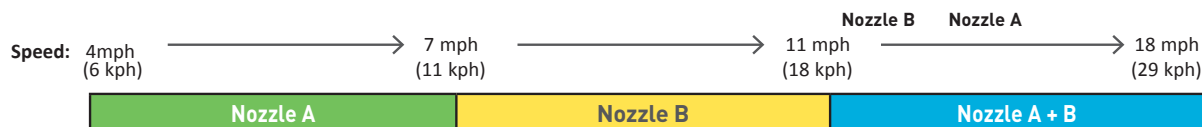
## Hypro® Duo React

## Control Systems

### Application Options

The Duo React's unique dual port design allows for a variety of application options:

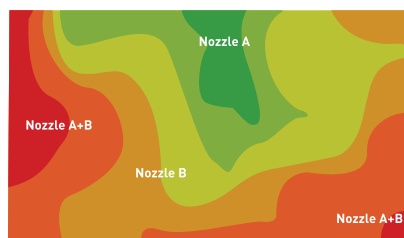
- Flexibility of Speeds:** With proper nozzle selection, you can drive at the speed you want and maintain application rate and spray quality desired by switching between two different nozzle sizes.



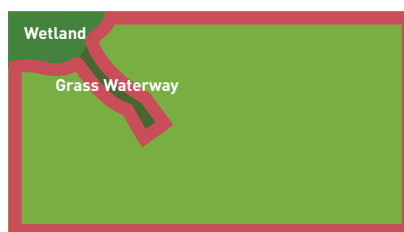
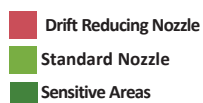
**Field Examples:** Turning corners or traveling up hill

Flat, open field (top speeds)

- Variable Rate Applications:** Apply variable rate liquid fertilizer by selecting the nozzle size combination that offers your desired application range.

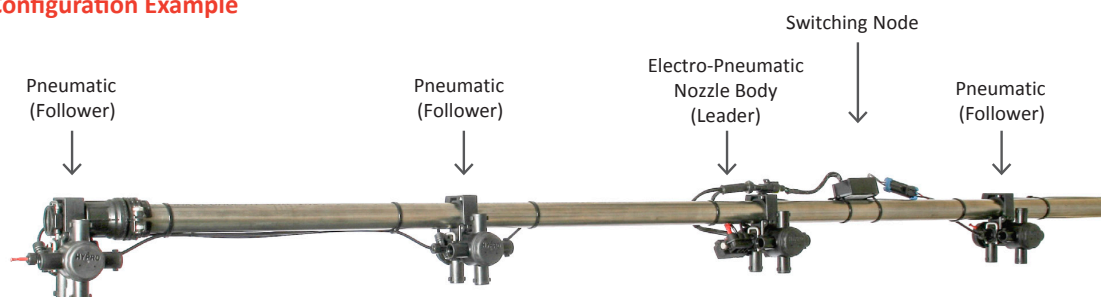


- Boundary Spraying:** Utilize a drift reduction nozzle around the boundary of your field or other obstacles including grass waterways, hedges, drainage tile inlets and ditches. Then switch to a standard nozzle for the rest of the field.



- Convenience:** Save time in changing over nozzles by making an alternative nozzle readily available and easily selected for a variety of application options. For example, you could place a liquid fertilizer nozzle on the single position and a plant health or herbicide nozzle on the turret position.

### Boom Configuration Example



- Electro-pneumatic (leader) nozzle body can be used in place of a section control valve
- Sections can be set without changing pipe layout

## Hypro® Duo React Nozzle Bodies

## Control Systems

### Twin Pneumatic Valve Nozzle Bodies

#### Features & Benefits:

- A single and 4-way turret nozzle body incorporated into one compact unit
- Eliminates the need for twin lines or “back to back” configurations
- Simple operation, twin valves allow either or both nozzles to spray
- Pneumatic actuated valves are integrated into the nozzle body for a compact design and provides air-to-open fail safe actuation
- Integrated push-to-connect air porting is easy, secure and rugged while allowing for simple daisy chain connections

#### General Specification:

- Operating Temperature range 32°F – 122°F (0-50°C)
- Industry standard male bayonet connection
- Inlet to fluid pipe 3/8"
- Max pressure drop 5psi for 1.7 gpm (0.35 bar for 6.4 l/min flow)
- Waterproof to BSEN60529 (IP65)
- Tolerant to UV, dust, vibration and impact likely to be encountered in an agricultural spraying environment
- Viton elastomers for chemical resistance



Clamp Size	Electro-Pneumatic Mnf Part #	Pneumatic Mnf Part #
1/2"	4214-2502V	4214-1502V
3/4"	4214-2503V	4214-1503V
1"	4214-2504V	4214-1504V
20mm	4214-2507V	4214-1507V
25mm	4214-2508V	4214-1508V

Spares and Tools	Mnf Part #
O-ring and piston sub-assembly kit	3430-0840V
Cap removal service wrench	3021-0006

### Duo React Electro-Pneumatic (Leader)



- Flow to each nozzle individually controlled by 12 VDC signal
- Surge protected, range tolerated 9-16 VDC
- Max current draw 0.25 amps for each solenoid
- Pneumatic actuation of valves at 40-100 psi (3-7 bar)
- Can be used as a section control valve, actuating multiple pneumatic followers
- Response time when controlling 7 pneumatic followers 0.1 seconds (open) 0.3 seconds (close) using 4mm diameter 600mm hose and 40-60psi (3-4 bar)
- Wet gross weight including caps and nozzles 13oz (364g)
- Tyco AMP Superseal connector
- Push fit air connectors: 6mm inlet, 4mm outlet

### Duo React Pneumatic (Follower)



- Air actuated 40-115psi (3-8 bar), normally closed
- Nozzle valve selection response time 0.1 seconds
- Wet gross weight including caps and nozzles 8oz (225g)
- 4mm push fit air inlet and outlet connectors

Westward Parts can source many other special order items that are not listed in this catalogue, please visit our website at [westwardparts.com](http://westwardparts.com) or call us directly at 1-888-937-7278. Our team will help you find what you need.

The product images shown are for illustration purposes only and may not be an exact representation of the product.

## Hypro® Duo React Console

## Control Systems

### Simple Control from the Cab

- Program console to manage droplet size by switching between nozzle sizes
- Choose from automatic or manual nozzle switching
- Stores up to four configurations for repeated use
- Monitor nozzle output status from the cab
- Allows user to set deadband to control hysteresis
- US or Metric unit setting



### Console

Mnf Part #	Description
2850-0028	Duo React Console (includes power cable and mounting hardware)



### Switching Nodes



AmpSeal-16



Weather Pack

Mnf Part #	Description
2510-0064	Duo React switching note Node AmpSeal-16, 4 position
2510-0065	Duo React switching note Node Weather Pack Shroud 3 pin



### Cables

Mnf Part #	Description
2520-0223	Y-Cable
2520-0224	15' 4-pin Amp Superseal Extension Cable (node to leader)
2520-0225	5' 2-pin M/P150 Extension Cable (node to node)
2520-0226	10' 2-pin M/P150 Extension Cable (node to node)
2520-0227	15' 2-pin M/P150 Extension Cable (node to node)
2520-0228	20' 2-pin M/P150 Extension Cable (node to node)
2520-0229	25' 2-pin M/P150 Extension Cable (node to node)
2520-0231	5' 3-pin W/P150 Extension Cable (node to node)
2520-0232	10' 3-pin W/P150 Extension Cable (node to node)
2520-0233	15' 3-pin W/P150 Extension Cable (node to node)
2520-0234	20' 3-pin W/P150 Extension Cable (node to node)
2520-0235	25' 3-pin W/P150 Extension Cable (node to node)



### Kits

Mnf Part #	Description
3430-0940	Air Supply Parts Kit (4&6mm tubing, termination plugs, fittings)



Westward Parts can source many other special order items that are not listed in this catalogue, please visit our website at [westwardparts.com](http://westwardparts.com) or call us directly at 1-888-937-7278. Our team will help you find what you need. The product images shown are for illustration purposes only and may not be an exact representation of the product.

## Hypro® Duo React Console

## Control Systems

### Setting Up the System



#### Electrical Connections

- A typical Duo React system uses a switching node at each section valve location to actuate the leader nozzle body.
- The on/off control signal from the existing section control valve drives the leader nozzle body.
- Nozzle port control from Duo React Console located in the cab links to each node by a 2 wire extension cable.

#### Air Line Connections

- All fittings and tubing needed comes in the Air Supply Parts Kit to complete the air supply connections.
- A 6mm diameter tubing is run from the air supply on the sprayer back to the boom, through a tee fitting and then is daisy chained through push-to-connect (PTC) porting at each Duo React leader nozzle body.
- A 4mm diameter tubing is supplied to complete daisy chain connection from leader to follower nozzle bodies
- using push-to-connect porting (shown above).
- Air system requirement is very low, at just 0.16 liter (0.006 SCF) per 8 nozzle body configuration.





#### Solution Line Connections

- On an existing sprayer the solution lines can stay connected with section control valves inline (open state) with on/off control provided at the Duo React leader integrated pneumatic air stop.
- Alternatively, with Duo React leader nozzle body controlling flow, section control valves can be eliminated with a single feed line running down the entire length of the boom to feed the individual boom pipe sections.
- With Duo React the number of nozzle bodies per section can be rebalanced by simply connecting airline independent of what pipe they are mounted on.

#### Nozzle Selection and Control Point Setup

Find your closest application rate in the column headers. Scan down the column until you find the min and max speed range that suits your needs. Select the nozzles to the left and enter the setpoints as pre-selected in the chart below. Contact and Systemic charts will follow in this brochure.

#### Sample

			Application Rate (gpa)			
Nozzle B	Nozzle A	Setpoints (mph)	5	7.5	10	12.5
 FC-ULD120-025	 FC-ULD120-015	Min Speed	6.3	4.2	3.2	2.5
		Max Speed	29.1	19.4	14.5	11.6
		Setpoint 1 (A to B)	10.9	7.3	5.5	4.4
		Setpoint 2 (B to A+B)	18.2	12.1	9.1	7.3
 FC-ULD120-03	 FC-ULD120-02	Min Speed	8.4	5.6	4.2	3.4
		Max Speed	36.4	24.2	18.2	14.5
		Setpoint 1 (A to B)	14.5	9.7	7.3	5.8
		Setpoint 2 (B to A+B)	21.8	14.5	10.9	8.7

Westward Parts can source many other special order items that are not listed in this catalogue, please visit our website at [westwardparts.com](http://westwardparts.com) or call us directly at 1-888-937-7278. Our team will help you find what you need.

The product images shown are for illustration purposes only and may not be an exact representation of the product.



## Hypro® Duo React Nozzle Selection

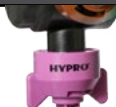





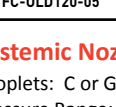

## Control Systems

### Systemic Nozzle Pairs - 20" Spacing



Droplets: C or Greater









Pressure Range: 20 to 60 psi

Nozzle B	Nozzle A	Setpoints (mph)	Application Rate (gpa)												
			5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35
 FC-ULD120-025	 FC-ULD120-015	Min Speed	6.3	4.2	3.2	2.5	2.1	1.8	1.6	1.4	1.3	1.1	1.1	1.0	0.9
		Max Speed	29.1	19.4	14.5	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.8	4.5	4.2
		Setpoint 1 (A to B)	10.9	7.3	5.5	4.4	3.6	3.1	2.7	2.4	2.2	2.0	1.8	1.7	1.6
		Setpoint 2 (B to A+B)	18.2	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6	3.3	3.0	2.8	2.6
 FC-ULD120-03	 FC-ULD120-02	Min Speed	8.4	5.6	4.2	3.4	2.8	2.4	2.1	1.9	1.7	1.5	1.4	1.3	1.2
		Max Speed	36.4	24.2	18.2	14.5	12.1	10.4	9.1	8.1	7.3	6.6	6.1	5.6	5.2
		Setpoint 1 (A to B)	14.5	9.7	7.3	5.8	4.8	4.2	3.6	3.2	2.9	2.6	2.4	2.2	2.1
		Setpoint 2 (B to A+B)	21.8	14.5	10.9	8.7	7.3	6.2	5.5	4.8	4.4	4.0	3.6	3.4	3.1
 FC-ULD120-04	 FC-ULD120-03	Min Speed	12.6	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5	2.3	2.1	1.9	1.8
		Max Speed	50.9	33.9	25.5	20.4	17.0	14.5	12.7	11.3	10.2	9.3	8.5	7.8	7.3
		Setpoint 1 (A to B)	21.8	14.5	10.9	8.7	7.3	6.2	5.5	4.8	4.4	4.0	3.6	3.4	3.1
		Setpoint 2 (B to A+B)	29.1	19.4	14.5	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.8	4.5	4.2
 FC-ULD120-05	 FC-ULD120-04	Min Speed	16.8	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1	2.8	2.6	2.4
		Max Speed	65.5	43.6	32.7	26.2	21.8	18.7	16.4	14.5	13.1	11.9	10.9	10.1	9.4
		Setpoint 1 (A to B)	29.1	19.4	14.5	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.8	4.5	4.2
		Setpoint 2 (B to A+B)	36.4	24.2	18.2	14.5	12.1	10.4	9.1	8.1	7.3	6.6	6.1	5.6	5.2

### Systemic Nozzle Pairs - 15" Spacing

Droplets: C or Greater

Pressure Range: 20 to 60 psi

Nozzle B	Nozzle A	Setpoints (mph)	Application Rate (gpa)												
			5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35
 FC-ULD120-025	 FC-ULD120-015	Min Speed	8.4	5.6	4.2	3.4	2.8	2.4	2.1	1.9	1.7	1.5	1.4	1.3	1.2
		Max Speed	38.8	25.9	19.4	15.5	12.9	11.1	9.7	8.6	7.8	7.1	6.5	6.0	5.5
		Setpoint 1 (A to B)	14.5	9.7	7.3	5.8	4.8	4.2	3.6	3.2	2.9	2.6	2.4	2.2	2.1
		Setpoint 2 (B to A+B)	24.2	16.2	12.1	9.7	8.1	6.9	6.1	5.4	4.8	4.4	4.0	3.7	3.5
 FC-ULD120-03	 FC-ULD120-02	Min Speed	11.2	7.5	5.6	4.5	3.7	3.2	2.8	2.5	2.2	2.0	1.9	1.7	1.6
		Max Speed	48.5	32.3	24.2	19.4	16.2	13.9	12.1	10.8	9.7	8.8	8.1	7.5	6.9
		Setpoint 1 (A to B)	19.4	12.9	9.7	7.8	6.5	5.5	4.8	4.3	3.9	3.5	3.2	3.0	2.8
		Setpoint 2 (B to A+B)	29.1	19.4	14.5	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.8	4.5	4.2
 FC-ULD120-04	 FC-ULD120-03	Min Speed	16.8	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1	2.8	2.6	2.4
		Max Speed	67.9	45.3	33.9	27.2	22.6	19.4	17.0	15.1	13.6	12.3	11.3	10.4	9.7
		Setpoint 1 (A to B)	29.1	19.4	14.5	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.8	4.5	4.2
		Setpoint 2 (B to A+B)	38.8	25.9	19.4	15.5	12.9	11.1	9.7	8.6	7.8	7.1	6.5	6.0	5.5
 FC-ULD120-05	 FC-ULD120-04	Min Speed	22.4	14.9	11.2	9.0	7.5	6.4	5.6	5.0	4.5	4.1	3.7	3.4	3.2
		Max Speed	87.3	58.2	43.6	34.9	29.1	24.9	21.8	19.4	17.5	15.9	14.5	13.4	12.5
		Setpoint 1 (A to B)	38.8	25.9	19.4	15.5	12.9	11.1	9.7	8.6	7.8	7.1	6.5	6.0	5.5
		Setpoint 2 (B to A+B)	48.5	32.3	24.2	19.4	16.2	13.9	12.1	10.8	9.7	8.8	8.1	7.5	6.9

Westward Parts can source many other special order items that are not listed in this catalogue, please visit our website at [westwardparts.com](http://westwardparts.com) or call us directly at 1-888-937-7278. Our team will help you find what you need.

The product images shown are for illustration purposes only and may not be an exact representation of the product.

## Hypro® Duo React Console


## Control Systems

### Contact Nozzle Pairs - 20" Spacing



Droplets: M to C






Pressure Range: 40 to 90 psi

Droplets: M to C			Application Rate (gpa)												
Pressure Range: 40 to 90 psi			5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35
Nozzle B	Nozzle A	Setpoints (mph)													
 FC-GA110-025	 FC-GA110-015	Min Speed	8.9	5.9	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6	1.5	1.4	1.3
		Max Speed	35.6	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1
		Setpoint 1 (A to B)	13.4	8.9	6.7	5.3	4.5	3.8	3.3	3.0	2.7	2.4	2.2	2.1	1.9
		Setpoint 2 (B to A+B)	22.3	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5	4.1	3.7	3.4	3.2
 FC-GA110-03	 FC-GA110-02	Min Speed	11.9	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2	2.0	1.8	1.7
		Max Speed	44.6	29.7	22.3	17.8	14.9	12.7	11.1	9.9	8.9	8.1	7.4	6.9	6.4
		Setpoint 1 (A to B)	14.5	9.7	7.3	5.8	4.8	4.2	3.6	3.2	2.9	2.6	2.4	2.2	2.1
		Setpoint 2 (B to A+B)	21.8	14.5	10.9	8.7	7.3	6.2	5.5	4.8	4.4	4.0	3.6	3.4	3.1
 FC-GA110-04	 FC-GA110-03	Min Speed	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0	2.7	2.5
		Max Speed	62.4	41.6	31.2	24.9	20.8	17.8	15.6	13.9	12.5	11.3	10.4	9.6	8.9
		Setpoint 1 (A to B)	26.7	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.9	4.5	4.1	3.8
		Setpoint 2 (B to A+B)	35.6	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1
 FC-GA110-05	 FC-GA110-04	Min Speed	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0	3.7	3.4
		Max Speed	80.2	53.5	40.1	32.1	26.7	22.9	20.0	17.8	16.0	14.6	13.4	12.3	11.5
		Setpoint 1 (A to B)	35.6	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1
		Setpoint 2 (B to A+B)	44.6	29.7	22.3	17.8	14.9	12.7	11.1	9.9	8.9	8.1	7.4	6.9	6.4

### Contact Nozzle Pairs - 15" Spacing

Droplets: M to C

Pressure Range: 40 to 90 psi

Droplets: M to C			Application Rate (gpa)												
Pressure Range: 40 to 90 psi			5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35
Nozzle B	Nozzle A	Setpoints (mph)													
 FC-GA110-025	 FC-GA110-015	Min Speed	11.9	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2	2.0	1.8	1.7
		Max Speed	47.5	31.7	23.8	19.0	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8
		Setpoint 1 (A to B)	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0	2.7	2.5
		Setpoint 2 (B to A+B)	29.7	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2
 FC-GA110-03	 FC-GA110-02	Min Speed	15.8	10.6	7.9	6.3	5.3	4.5	4.0	3.5	3.2	2.9	2.6	2.4	2.3
		Max Speed	59.4	39.6	29.7	23.8	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5
		Setpoint 1 (A to B)	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0	3.7	3.4
		Setpoint 2 (B to A+B)	35.6	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1
 FC-GA110-04	 FC-GA110-03	Min Speed	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0	3.7	3.4
		Max Speed	83.2	55.4	41.6	33.3	27.7	23.8	20.8	18.5	16.6	15.1	13.9	12.8	11.9
		Setpoint 1 (A to B)	35.6	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1
		Setpoint 2 (B to A+B)	47.5	31.7	23.8	19.0	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8
 FC-GA110-05	 FC-GA110-04	Min Speed	31.7	21.1	15.8	12.7	10.6	9.1	7.9	7.0	6.3	5.8	5.3	4.9	4.5
		Max Speed	106.9	71.3	53.5	42.8	35.6	30.5	26.7	23.8	21.4	19.4	17.8	16.4	15.3
		Setpoint 1 (A to B)	47.5	31.7	23.8	19.0	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8
		Setpoint 2 (B to A+B)	59.4	39.6	29.7	23.8	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5

Westward Parts can source many other special order items that are not listed in this catalogue, please visit our website at [westwardparts.com](http://westwardparts.com) or call us directly at 1-888-937-7278. Our team will help you find what you need.

The product images shown are for illustration purposes only and may not be an exact representation of the product.





## Hypro® Duo React Nozzle Selection

## Control Systems

### Enlist Duo Nozzle Pairs - 20" Spacing





Droplets: C or Greater

Droplets: C or Greater			Application Rate (gpa)												
Nozzle B	Nozzle A	Setpoints (mph)	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35
 <b>FC-ULD120-04</b>	 <b>FC-ULD120-06</b>	Min Speed	16.8	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1	2.8	2.6	2.4
		Max Speed	66.4	44.3	33.2	26.6	22.1	19.0	16.6	14.8	13.3	12.1	11.1	10.2	9.5
		Setpoint 1 (A to B)	31.4	21.0	15.7	12.6	10.5	9.0	7.9	7.0	6.3	5.7	5.2	4.8	4.5
		Setpoint 2 (B to A+B)	42.0	28.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4	7.6	7.0	6.5	6.0

Speeds apply to pressures stated on label (04 = 20-70psi, 06=20-50psi)

### Enlist Duo Nozzle Pairs - 15" Spacing

Droplets: C or Greater

Droplets: C Or Greater			Application Rate (gpa)												
Nozzle B	Nozzle A	Setpoints (mph)	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35
 <b>FC-ULD120-04</b>	 <b>FC-ULD120-06</b>	Min Speed	22.4	14.9	11.2	9.0	7.5	6.4	5.6	5.0	4.5	4.1	3.7	3.4	3.2
		Max Speed	88.5	59.0	44.3	35.4	29.5	25.3	22.1	19.7	17.7	16.1	14.8	13.6	12.6
		Setpoint 1 [A to B]	41.9	27.9	21.0	16.8	14.0	12.0	10.5	9.3	8.4	7.6	7.0	6.4	6.0
		Setpoint 2 [B to A+B]	56.0	37.3	28.0	22.4	18.7	16.0	14.0	12.4	11.2	10.2	9.3	8.6	8.0

Speeds apply to pressures stated on label (04 = 20-70psi, 06=20-50psi)

Westward Parts can source many other special order items that are not listed in this catalogue, please visit our website at [westwardparts.com](http://westwardparts.com) or call us directly at 1-888-937-7278. Our team will help you find what you need. The product images shown are for illustration purposes only and may not be an exact representation of the product.

## Centerline 220

## Control Systems

## CenterLine 220 Features and Benefits

- Versatile GNSS guidance in a compact, portable package
- LED Lightbar guidance plus a graphical display for complete guidance information
- High-quality, 5 Hz internal GPS/GLONASS-ready engine with external patch or RXA-30 antenna
- Optional RXA-30 antenna provides improved reception and increased noise rejection for situations where GNSS signals may be weak or partially obstructed
- ClearPath™ technology enhances GNSS performance in areas where reception is poor or in regions where differential correction is not readily available
- Simple setup gets you up and running in no time
- Straight and curved AB guidance modes
- Integrated look-ahead functionality anticipates vehicle's future position
- Return-to-point feature
- Durable, backlit keypad is easy to see in low-light conditions
- Provides RADAR-like speed signal output for use with other control systems that require a ground speed signal

## Accessories

Westward Part#	Mfr Part #	Description
SPP78-50155	78-50155	Patch Antenna for 220 Centerline®

## Accuracy

Correction Type	Pass-to-Pass Accuracy	Year-to-Year Repeatability
Autonomous	+/- 12-18" / 30-45 cm	+/- 3' / 1 m
SBAS	+/- 6-10" 15-25 cm *also referred to as sub-meter	+/- 3' / 1 m

## GNSS (Global Navigation Satellite System):

A general term, sometimes referred to as autonomous, that refers to a multiple satellite navigation system used by a receiver to compute its position. Examples of these systems include: GPS developed by the United States and GLONASS by Russia. Additional systems in development include Galileo by the European Union and Compass by China.

New generation GNSS receivers are being designed to utilize multiple GNSS signals (such as GPS and GLONASS). Depending on constellation and desired accuracy levels, system performance may be improved by having access to a greater number of satellites.

## GPS (Global Positioning System):

The name of the satellite-navigation network maintained by the U.S. Department of Defense. It is composed of approximately 30 satellites which continuously orbit the earth. The term is also used to refer to any device that depends on navigation satellites for functionality.

## GLONASS (Global Navigation Satellite System):

A global satellite navigation system developed and operated by the Russian government. It is composed of approximately 24 satellites which continuously orbit the earth. While early GNSS receivers typically utilized only GPS signals, many of today's GNSS receivers can utilize signals from both GPS and GLONASS, effectively increasing the total number of satellites available for use.

## Differential GPS (DGPS):

The most common way to correct for normally occurring GPS errors.

Examples of DGPS include WAAS, EGNOS, OmniSTAR® and RTK.

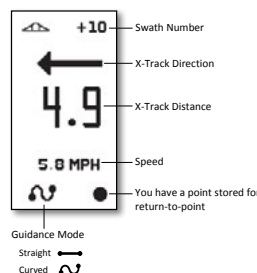
## SBAS (Satellite Based Augmentation System):

A general term that refers to any satellite-based differential correction system. Examples of SBAS include: WAAS in the United States, EGNOS in Europe and MSAS in Japan. Additional SBAS covering other regions of the world will likely be coming online in the future.

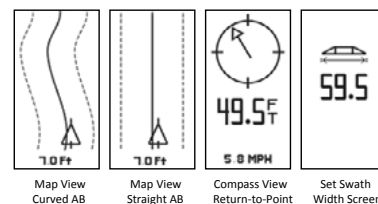


CenterLine 220 Kit Includes: CenterLine 220 Console, Patch Antenna, Cigarette Lighter Power Adapter, RAM Mount Kit with Hardware, User guide

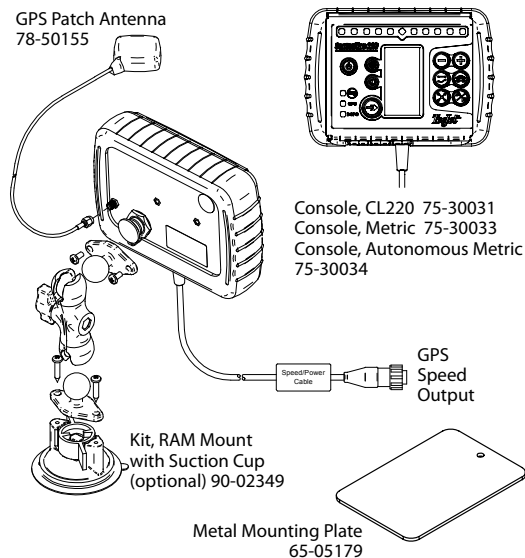
## Working Screen Layout



## Screen Views

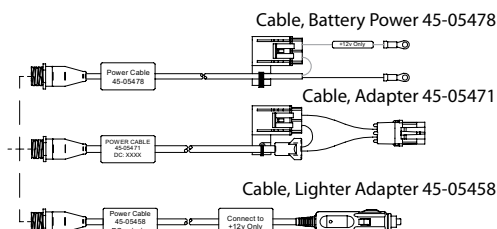


GPS Patch Antenna  
78-50155



Console, CL220 75-30031  
Console, Metric 75-30033  
Console, Autonomous Metric 75-30034

Metal Mounting Plate  
65-05179



## TeeJet® Manual Sprayer Controls

## Control Systems

### Manual Sprayer Controls

- Manual sprayer control in a compact package.
- Lighted pressure gauge for night use.
- Heavy duty switches with LED indicators.
- Available in kit forms using solenoids or ball type control valves.
- **744A** offered with 3 section switches and choice of 100 PSI (7 bar) or 300 PSI (20 bar) gauge.
- **744E** offered with 100 PSI (7 bar) gauge and choice of 3 or 5 section switches.

**TeeJet®**  
TECHNOLOGIES



744A-3



744E-5

### 700 Series Manual Sprayer Controls

Westward Part#	Mfr Part #	Description
SPP76702	90-50161	744A Kit, 100 PSI Liquid Gauge, 3 Switch Console. Contains (1) Console, (1) Pressure Regulating Valve, and Cabling
SPP76703	90-50163	744A Kit, 100 PSI Liquid Gauge, 3 Switch Console. Contains (1) Console, (1) 3/4" Pressure Regulating Valve, (3) Directo Valve Boom Solenoids, and Cabling

### 744 Replacement Parts

Westward Part#	Mfr Part #	Description
SPP75-50033	75-50033	Replacement Control Housing 100 psi Liquid
SPP76830	67-20001	Male Coupling, Nylon

## Control System Cables

## Control Systems

### Cables for 744A

Westward Part#	Mfr Part #	Description
SPP45-20079	45-20079	15' Cable Extension
SPP45-20100	45-20100	8' Battery Power Cable



45-20079

**TeeJet®**  
TECHNOLOGIES

## Manual Sprayer Controls

## Other Brands

## Control Systems

### 744A Series Replacement Parts

Westward Part#	Description
SPP76822	Power cable (2.7 meters (8 ft.))

Westward Parts can source many other special order items that are not listed in this catalogue, please visit our website at [westwardparts.com](http://westwardparts.com) or call us directly at 1-888-937-7278. Our team will help you find what you need. The product images shown are for illustration purposes only and may not be an exact representation of the product.

Westward Parts can source many other special order items that are not listed in this catalogue, please visit our website at **westwardparts.com** or call us directly at **1-888-937-7278**. Our team will help you find what you need.

Parts offered by Westward Parts Services Ltd. are provided by different manufacturers. The use of OEM part numbers are for identification purposes only - No implication is made that the parts are, in fact, the OEM part (unless specified otherwise). The product images shown are for illustration purposes only and may not be an exact representation of the product.

This catalogue is intended for quick reference use. While a great deal of effort has been made to ensure application information, descriptions, and specifications are accurate, Westward Parts Services Ltd. cannot guarantee accuracy as a result of ever-changing model information, product updates, and superseded parts. Westward Parts Services Ltd. will not be liable to any third party should any of the information contained within this catalogue be in error.

***Westward has the part!***

Westward Parts offers the most comprehensive range of products to meet the needs of all agricultural and industrial customers.



## Agriculture Parts

- Bearings, Seals, Flanges, O-Rings
- 3 Point Hitch Parts or Tillage Tools
- PTO Drives, Adapters, Yokes, Crosses
- Canvas, Swather Parts, Canvas Repair
- Combine Repair Parts
- Harrow Parts, Pickup & Harrow Tines
- Pickup Reel Parts
- Cutting Parts & Guards, Ag Accessories

## Estate Equipment

- Cameras & Accessories
- Fencing Equipment
- Hay & Bale Handling Equipment
- Lawn & Garden
- Material Movement
- Estate Sprayers & Accessories
- Tillage Equipment
- Water, Transfer & Trash Pumps

## Sprayer Parts

- Pumps & Couplers
- Valves, Manual & Electric
- Tips, Strainers, Filters
- Nozzle Bodies, Caps, Boom Clamps
- Hose, Fittings, Cam Locks
- Handguns
- Pressure Washer Parts
- Booms, Tanks, Accessories

## Industrial Parts

- Bearings, Seals, Flanges, O-Rings
- Sheaves, Pulleys, Sprockets, Weld-ons
- Hardware, Drawpins, Wire Rope, Lubricants
- Chain, V-Belts, Chain Tools
- PTO Drives, Adapters, Yokes, Crosses
- Hubs, Wheels, Spindles, Casters
- Belting Seals and Shields
- Hydraulic Fittings, Couplers, Cylinders

CANADA'S EXCLUSIVE DISTRIBUTOR FOR

**MacDon** Performance Parts



**1-888-937-7278**



**WESTWARD PARTS**



For 45 years, Westward Parts continues to  
be the premier provider of Quality Agricultural  
Parts and Equipment in Western Canada.

[www.westwardparts.com](http://www.westwardparts.com)

***Westward has the part!***