

EQUIPMENT PARTS CATALOG

VERSION .34

FOR A FULL INDEX
SEE PAGES 102-103



EST. F/S 1990
MANUFACTURING

TABLE OF CONTENTS

DAKOTA UTV Sprayers	7-9
Booms	10-11
Boomless Systems	12
ATV Sprayers	13
Pull-Behind Sprayers	14-15
Dandy-Lion Killers	16-17
Guardian Fire Control	18-21
Regulators	40-41
Boom Components \ Strainers	76-97
Electronics \ GPS	98-101

THANK YOU

FOR OVER 30 YEARS OF LOYALTY TO F/S PRODUCTS!

Due to space considerations and a constantly expanding inventory, not every item that we carry is listed in our catalog. If you do not find the product, part or application you are looking for, please do not hesitate to call us. We make it our job to serve you in every way possible!

Cordially,
THE F/S TEAM

SPRAY LIKE A **PRO.**

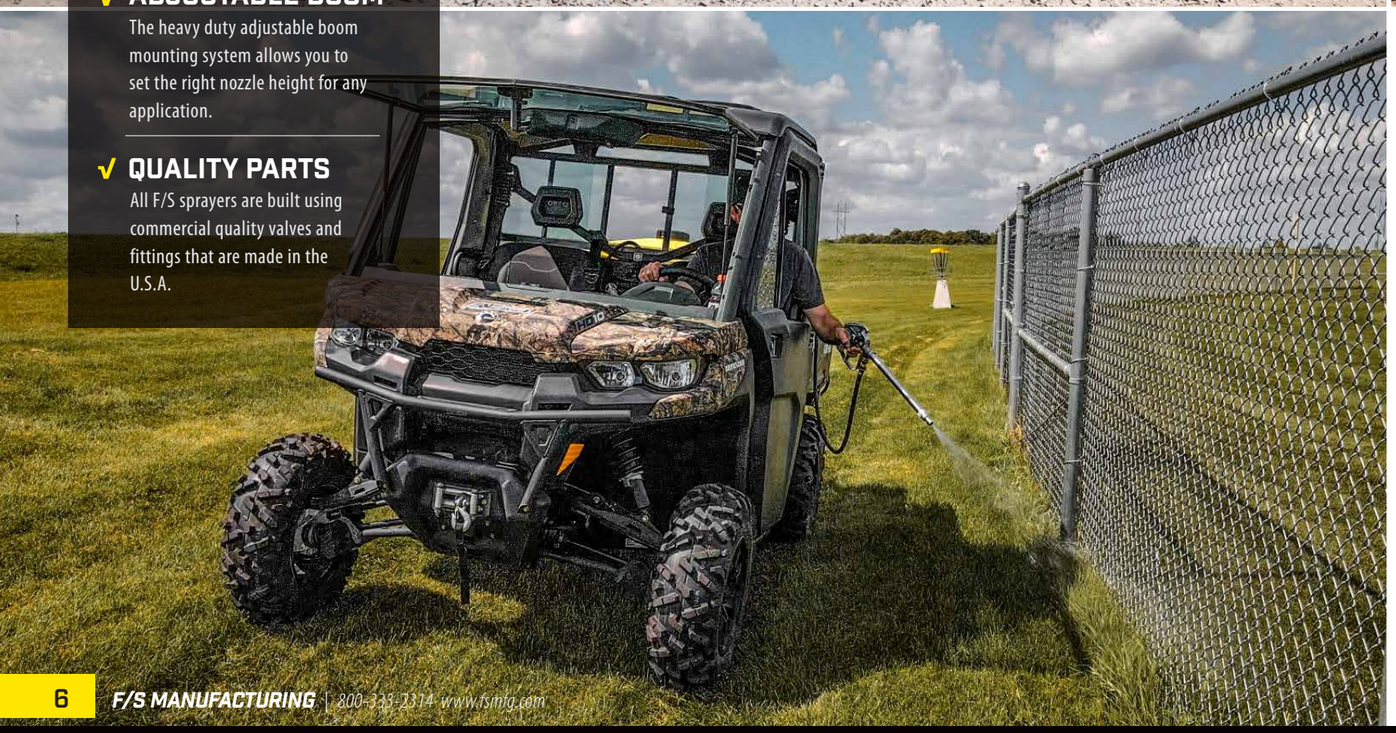


✓ LOW PROFILE TANK
Tru-Kleen low profile full drain tank maximizes your liquid carrying capacity while minimizing problems linked to high center of gravity conditions.

✓ SPOT SPRAYING
Spray wand and hose reel with 50 ft of 3/8" hose come standard so you can spot spray when or where boom spraying is not an option.

✓ ADJUSTABLE BOOM
The heavy duty adjustable boom mounting system allows you to set the right nozzle height for any application.

✓ QUALITY PARTS
All F/S sprayers are built using commercial quality valves and fittings that are made in the U.S.A.









LOOKING FOR HIGH PRESSURE OPTIONS?

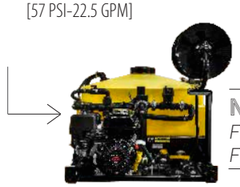
SEE NEXT PAGE

MANUAL CONTROLS





SPECIFICATIONS	FSDAK-50	FSDAK-100(Shown)	FSDAK-50-E(Shown)	FSDAK-100-E
Capacity	50 Gallons	100 Gallons	50 Gallons	100 Gallons
W x L x H	38 x 42 x 23	47 ¾ x 49 x 26	38 x 42 x 23	47 ¾ x 49 x 26
Weight (Empty/Full)	175 lbs. / 574 lbs.	182 lbs. x 1,017 lbs.	134 lbs. / 551 lbs.	163 lbs. x 998 lbs.
Controls	Manual TeeJet Shutoff and Regulating Valves	Manual TeeJet Shutoff and Regulating Valves	Manual TeeJet Shutoff and Regulating Valves	Manual TeeJet Shutoff and Regulating Valves
Motor	4HP Honda GX120 Engine	4HP Honda GX120 Engine	-	-
Pump	Ace Centrifugal Pump [57 PSI-22.5 GPM]	Ace Centrifugal Pump [57 PSI-22.5 GPM]	12V Electric Pump [100 Max PSI-7 GPM]	12V Electric Pump [100 Max PSI-7 GPM]



NARROW DESIGN
FSDAK-NARROW OPTIONS AVAILABLE FOR 50 GALLON MODELS!

ARE YOU A CONTROL FREAK?

√ FSDAK-100-EC-3KZ

01 LOW PROFILE FULL DRAIN TANK

02 HOSE REEL AND SPRAY WAND
[50 ft. of 3/8 in. Hose]

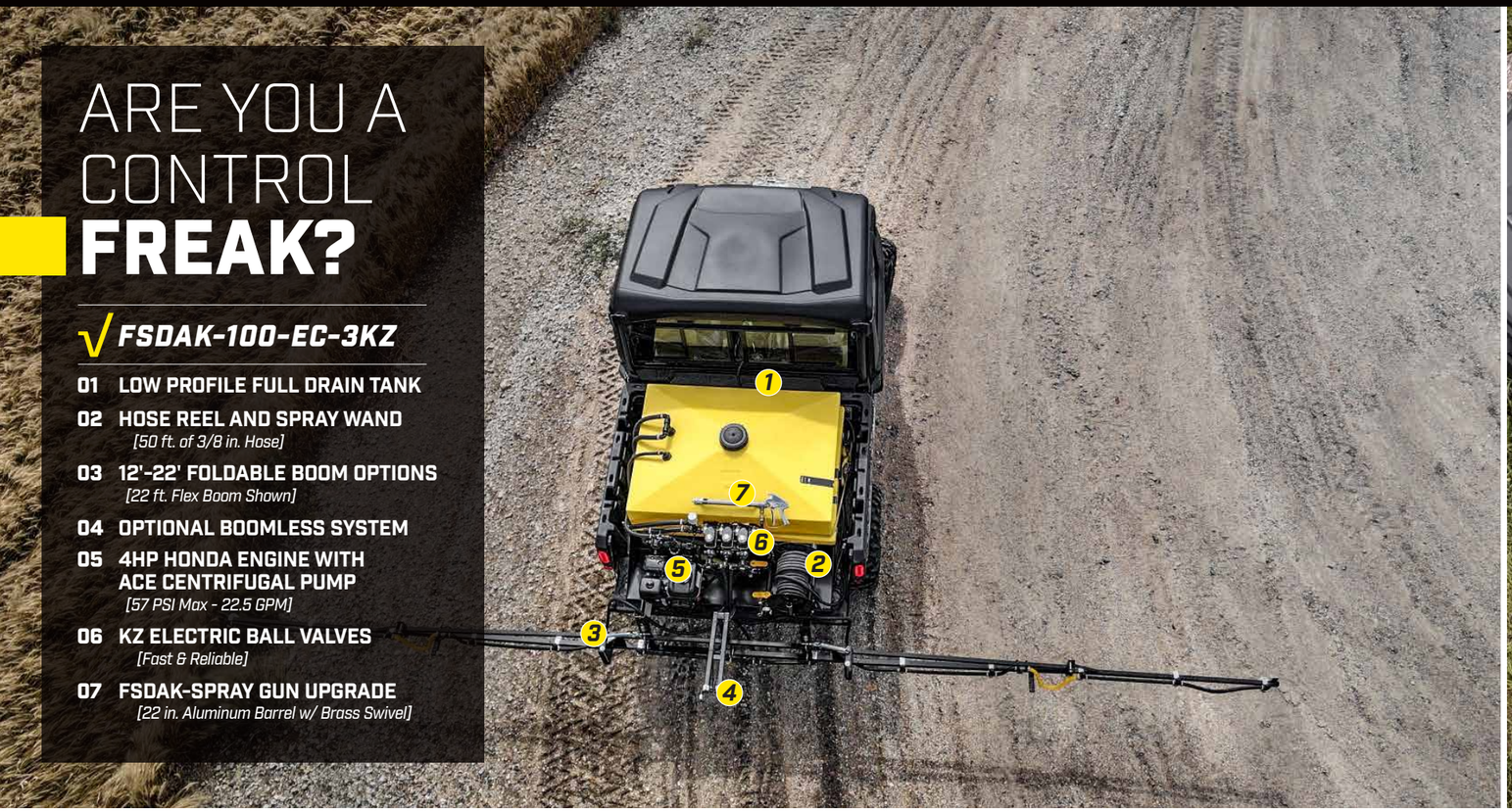
03 12'-22' FOLDABLE BOOM OPTIONS
[22 ft. Flex Boom Shown]

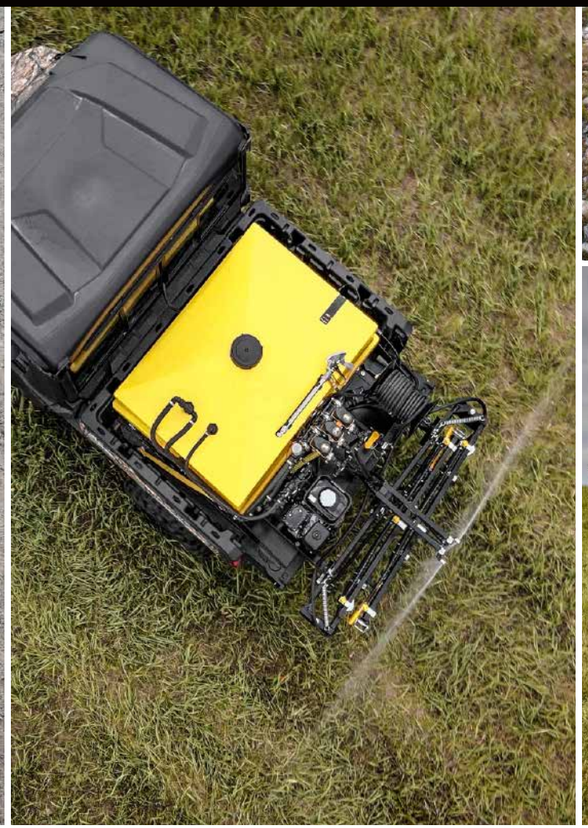
04 OPTIONAL BOOMLESS SYSTEM

05 4HP HONDA ENGINE WITH ACE CENTRIFUGAL PUMP
[57 PSI Max - 22.5 GPM]

06 KZ ELECTRIC BALL VALVES
[Fast & Reliable]

07 FSDAK-SPRAY GUN UPGRADE
[22 in. Aluminum Barrel w/ Brass Swivel]









SINGLE-SECTION ELECTRIC CONTROLS





SPECIFICATIONS	FSDAK-50-EC	FSDAK-100-EC (Shown)
Capacity	50 Gallons	100 Gallons
W x L x H	38 x 42 x 23	47 ¾ x 49 x 26
Weight (Empty/Full)	175 lbs. / 574 lbs.	182 lbs. x 1,017 lbs.
Controls	1 Sect. Banjo Valve with Texas Industrial Controller	1 Sect. Banjo Valve with Texas Industrial Controller
Motor	4HP Honda GX120 Engine	4HP Honda GX120 Engine
Pump	Ace Centrifugal Pump [57 PSI-22.5 GPM]	Ace Centrifugal Pump [57 PSI-22.5 GPM]

HIGH PRESSURE

FSDAK-100-ROLLERPUMP
100 Gallons
47 ¾ x 49 x 26
182 lbs. x 1,017 lbs.
Manual TeeJet Shutoff and Regulating Valves
4HP Honda GX120 Engine
Hypro 7-Roller Pump [200 PSI-22 GPM]

FOR BOOM / BOOMLESS SYSTEM OPTIONS
SEE PAGES 10-12

MULTI-SECTION ELECTRIC CONTROLS





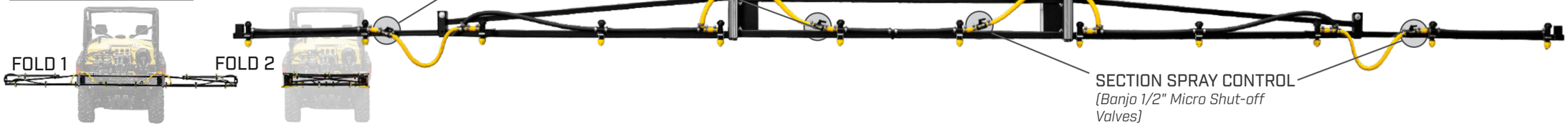
SPECIFICATIONS	FSDAK-50-EC-*KZ	FSDAK-100-EC-*KZ	FSDAK-100-EC-*KZ-RCR	FSDAK-100-EC-*KZ-PRO
Capacity	50 Gallon	100 Gallons	100 Gallons	100 Gallons
W x L x H	38 x 42 x 23	47 ¾ x 49 x 26	47 ¾ x 49 x 26	47 ¾ x 49 x 26
Weight (Empty/Full)	175 lbs. / 574 lbs.	182 lbs. x 1,017 lbs.	182 lbs. x 1,017 lbs.	182 lbs. x 1,017 lbs.
Controls	*2-5 Sect. KZ Valve, Electric Control with 744A TeeJet Controller	*2-5 Sect. KZ Valve, Electric Control with 744A TeeJet Controller	*2-5 Sect. KZ Valve, Electric Control Raven Flowmeter and Regulating Valves	*2-5 Sect. KZ Valve, Electric Control with 744A TeeJet Controller
Motor	4HP Honda GX120 Engine	4HP Honda GX120 Engine	4HP Honda GX120 Engine	5.5HP Electric Start Honda GX160 Engine
Pump	Ace Centrifugal Pump [57 PSI-22.5 GPM]	Ace Centrifugal Pump [57 PSI-22.5 GPM]	Ace Centrifugal Pump [57 PSI-22.5 GPM]	Ace Centrifugal Pump [120 PSI-110 GPM]

OPTIONAL EQUIPMENT

22'
BOOM22FLEX



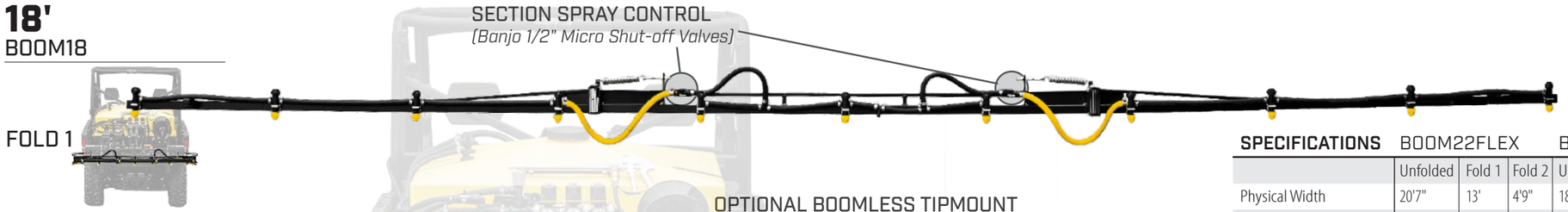
20'
BOOM20FLEX



18'
BOOM18FLEX



18'
BOOM18



12'
BOOM12



DE-ICE SYSTEMS BOOM OPTIONS
SEE PAGES 22-23





**FSDAK-100-EC SHOWN WITH FSDEICE-BOOM-4*

SPECIFICATIONS	BOOM22FLEX			BOOM20FLEX			BOOM18FLEX			BOOM18		BOOM12	
	Unfolded	Fold 1	Fold 2	Unfolded	Fold 1	Fold 2	Unfolded	Fold 1	Fold 2	Unfolded	Fold 1	Unfolded	Fold 1
Physical Width	20'7"	13'	4'9"	18'11"	13'	4'9"	17'3"	13'	4'9"	17'3"	5'11"	10'4"	4'3"
Spray Coverage	21'8"	11'8"	5'	20'	13'4"	3'4"	18'4"	11'8"	5'	18'4"	5'	11'8"	5'
Total Nozzles	13			12			11			11		7	
Nozzle Spacing	20"			20"			20"			20"		20"	

EXTENDED COVERAGE OPTIONS

PART#	DESCRIPTION
BOOMLESSBOOMINATOR*-SKID-TIPMOUNT-**	Boominator Single Side Boomless End Mount Kit for **[12' & 18' Boom Models]**
BOOMLESSHYPRO*-SKID-TIP-MOUNT	Hypro Single Side Boomless End Mount Kit for **[12' & 18' Boom Models]**
OFFSET TIP KIT	Single Side End Mount Offset Spray Kit for Boom
OFFSET TIP KIT-EC	Single Side End Mount Offset Spray Kit for Boom

**Multiple Sizes Available*
***L-Left or R-Right*


TIP MOUNT


OFFSET TIP





FOR NOZZLE CHARTS
SEE PAGES 90-91

BOOMLESS SYSTEMS

TEEJET / HYPRO / BOOMINATOR

	PART#	DESCRIPTION	*Multiple Sizes Available
1. SELECT NOZZLE TYPE	BOOMLESS TJ*	Boomless Kit with Plastic TeeJet Nozzles	
	BOOMLESS HYPRO*	Boomless Kit with SS Hypro XT Nozzles	
	BOOMLESS BOOMINATOR*	Boomless Kit wwith SS Boominator Nozzles	
2. OPTIONAL MOUNT KIT	BOOMLESS-MOUNT-KIT	Mounting Bar and Hardware for Boomless Mount Kit	
	(Required if not directly mounted to a boom)		









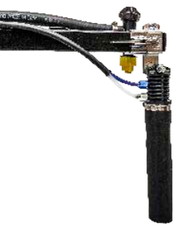


BOOMLESS TURFJET

"SIDE SHOOTER"



PART#	DESCRIPTION	*Multiple Sizes Available
BOOM-BOOMINATOR*-TURFJET	Boomless Kit with TurfJet Nozzles	
BOOM-BOOMINATOR*-TURFJET-3	Boomless Kit with TurfJet Nozzles for 3 Section	
BOOM-BOOMLESSHYPRO 20 BLUE-TURFJET	Hypro Left/Right, TurfJet Center	
BOOM-BOOMLESSHYPRO 20 BLUE-TURFJET-3	3 Section Hypro Left/Right, Turfjet Center	


FM1

ACCESSORIES

PART#	DESCRIPTION
FSDAK-STAND	Stand for Dakota UTV Skid Sprayer
FSDAK- Spray Gun Upgrade	TeeJet 22" Aluminum Spray Gun with Brass Swivel (See Pg. 93)
FM1 (SEE PAGE 36)	1 Gallon Foam Marker
FM1 Skid Mount Kit	FM1 Skid Mount Kit







ATV
CONTOUR SPRAYER

- Adaptable to Boom/Boomless Systems
- TeeJet and Banjo Plumbing Parts
- 5.3 GPM Remco 12V Pump
- Inline TeeJet Strainer to Protect Pump
- Spray Wand and 20' Hose
- Liquid-Filled Gauge and Pressure Regulator
- Drain Valve
- 20 Gallon Tank with Sump

PART#	CAPACITY	PUMP
ATV20	20 Gallons	5.3 GPM Remco 12V Electric Bypass Pump





ATV20 shown with Boom12 & Boomless Boominator on Standard Mounting Brackets


Slide In Receiver Mount Upgrade

OPTIONAL EQUIPMENT

PART#	DESCRIPTION
BOOM80	Boom80 In. Pattern at 40 In. Spacing
BOOM12	Boom12 Ft. Pattern at 20 In. Spacing
BOOMLESS TJ*	Boomless Kit with Plastic TeeJet Nozzles
BOOMLESS HYPRO*	Boomless Kit with SS Hypro XT Nozzles
BOOMLESS BOOMINATOR*	Boomless Kit with SS Boominator Nozzles
ATVRM	Slide In Receiver Mount Upgrade
BOOMLESS-MOUNT-KIT	Mounting Bar and Hardware for Boomless Mount Kit
ATV20-BOOM-BOOMLESS-PLUMBING KIT	ATV20 3-Way Valve Boom and Boomless Plumbing Kit

*Multiple Nozzle Sizes & Spray Patterns Available

ATV
SPOT SPRAYER

- 20 Gallon Tank
- Drain Sump in Tank
- 1.8 or 1.0 GPM Demand Pump
- TeeJet Spray Wand and 20' of 3/8" Spray Hose
- Drain Valve

PART#	CAPACITY	PUMP
SS20 UTILITY	20 Gallons	1.0 GPM Delavan Pump
SS20		1.8 GPM Shurflo Pump



PULL-BEHIND SPRAYERS







PULL-BEHIND
MINI SPRAYER

- 50 Gallon Low Profile Full Drain Tru-Kleen Tank
- 16.5 x 6.5 x 8 High Floatation Turf Tires
- Tank has Molded Anti-Vortex Baffles
- All Terrain Design
- Ships by Freight Truck
- Hose Reel with 50 Ft. of Hose
- Spray Wand



ATV MINI-50E SHOWN WITH BOOM12

PART#	CAPACITY	PUMP	CONTROLS
ATV MINI-50E	50 Gallons	5 GPM Electric Pump	Manual
ATV MINI-50		4HP Honda with 22 GPM Centrifugal Pump	Manual
ATV MINI-50-EC		4HP Honda with 22 GPM Centrifugal Pump	Electric




OPTIONAL EQUIPMENT

PART#	DESCRIPTION
BOOM80	Boom - 80 In. Pattern (40 In. Spacing)
BOOM12	Boom - 12 Ft. Pattern (20 In. Spacing)
BOOMLESS TJ*	Boomless Kit with Plastic TeeJet Nozzles
BOOMLESS HYPRO*	Boomless Kit with SS Hypro XT Nozzles
BOOMLESS BOOMINATOR*	Boomless Kit with SS Boominator Nozzles

**Multiple Sizes Available*



ATV MINI-50-EC

PULL-BEHIND
ESTATE SPRAYER

- 23 Gallon Capacity
- 2.2 GPM Pump
- Adjustable Hitch
- 6" Vented Lid
- Clean Drain Valve
- 20" Nozzle Spacing
- TeeJet Spray Wand
- 13" Turf Tires
- Full Drain Tru-Kleen Tank



PART#	CAPACITY	PUMP	BOOM SIZE	NOZZLES
ES23	23 Gallons	2.2 GPM Pump	60"	3
ES23-MAX	23 Gallons	2.2 GPM Pump	100"	5

PULL-BEHIND
MAXI SPRAYER

- Walking Tandem Axles
- Axles Adjust for Row Spacing (60"- 80")
- Pull by a Small Utility Tractor or UTV
- 4HP Honda GX120 Engine with 22.5 GPM Centrifugal Pump
- Boom Breakaway
- Adjustable Boom Height
- High Floations Tires (20 x 20 x 8)
- Hose Reel & Spray Wand for Spot Spraying



PART#	CAPACITY	PUMP	CONTROLS
MAXI-110	110	4HP Honda GX120 Engine with 22.5 GPM Centrifugal Pump	Manual
MAXI-110-EC	110		Electric
MAXI-150	150		Manual
MAXI-150-EC	150		Electric

GE660 PUMP OPTIONS AVAILABLE

BOOM OPTIONS

- Electric Boom Controls

PART#	DESCRIPTION
MAXI-BOOM20	Boom - 20 Ft. Spray Pattern (20 In. Spacing)
MAXI-BOOM30	Boom - 30 Ft. Spray Pattern (20 In. Spacing)
MAXI-BOOMLESS-MOUNT-KIT	Maxi Boomless H-Frame Mount Kit





THE NO DRIFT CHEMICAL APPLICATOR.

01 TRU-KLEEN FULL DRAIN TANK
02 GRAVITY FED *[No Electronics]*
03 ADJUSTABLE HANDLE *[Push-Type]*
04 ADJUSTABLE HITCH *[Pull-Type]*
05 NO DRIFT ROLLER
[Applies Chemical Directly on Plants]











WR36" 3 GALLON
PUSH TYPE

PART#	DESCRIPTION
WR36	36" Weed Roller - Push Type
	REPLACEMENT PARTS
CWR1033	WR36 Manifold Assembly
CWR1034	WR36 Roller with Carpet
CWR1045	WR36 Carpet



WR48" 12 GALLON
PULL TYPE

PART#	DESCRIPTION
WR48	48" Weed Roller - Pull Type
	REPLACEMENT PARTS
CWR1006	WR48 Manifold Assembly
CWR1025	WR48 Roller with Carpet
CWR1055	Plastic Knob Plunger Spring Lock Pin 1"x 5/8 - 11"x .44
CWR1066	WR48 Carpet
CWR1054	Replacement Tire



WR72" 25 GALLON
PULL TYPE

PART#	DESCRIPTION
WR72	72" Weed Roller - Pull Type
	REPLACEMENT PARTS
CWR1070	WR72 Manifold Assembly (One Side Only)
CWR1034	WR72 Roller with Carpet
CWR1055	Plastic Knob Plunger Spring Lock Pin 1"x 5/8 - 11"x .44
CWR1045	WR72 Carpet
CWR1054	Replacement Tire





GUARDIAN 200 GALLON SHOWN
PART# FSGUARD-200-¾-N



GUARDIAN 100 GALLON HIGH PRESSURE SHOWN
[FSGUARD-100-HP-DP-70.1-GRIP]

LOOKING FOR MORE HOSE NOZZLE OPTIONS? SEE PAGE 57



GUARDIAN
SKID-MOUNT FIRE FIGHTER

- White or Yellow Tank
- 200-400 Gallon Capacity
- Forklift Pockets for easy lifting
- 1" or 3/4" Cox Hose Reel
- Bottom Fill



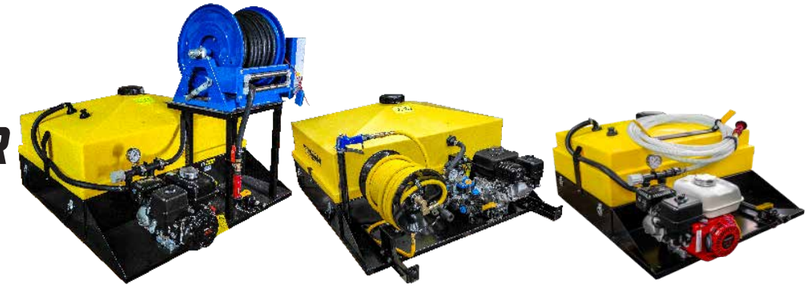
SPECIFICATIONS	FSGUARD-200-*	FSGUARD-300-*	FSGUARD-400-*	FSGUARD-400-¾-*
Capacity	200 Gallons	300 Gallons	400 Gallons	400 Gallons
Hose Reel	1" Electric	1" Electric	1" Electric	¾" Electric
Hose Length	125'	125'	125'	125'
Hose Size	1"	1"	1"	3/4"
Motor	5.5 HP Honda GX160	5.5 HP Honda GX160	5.5 HP Honda GX160	5.5 HP Honda GX160
Pump	Ace GE660 with 110 GPM	Ace GE660 with 110 GPM	Ace GE660 with 110 GPM	Ace GE660 with 110 GPM

PRO SERIES	FSGUARD-200-*-PRO	FSGUARD-300-*-PRO	FSGUARD-400-*-PRO	FSGUARD-400-¾-*-PRO
Motor	8 HP Honda GX240 with Electric Start	8 HP Honda GX240 with Electric Start	8 HP Honda GX240 with Electric Start	8 HP Honda GX240 with Electric Start
Pump	Ace GE860 with 140 GPM	Ace GE860 with 140 GPM	Ace GE860 with 140 GPM	Ace GE860 with 140 GPM

*** Specify Tank Color** Y | N

GUARDIAN
ATV / UTV FIRE FIGHTER

- 50-100 Gallon Capacity
- Tru-Kleen Low Profile Full Drain Tank
- Clean Drain Valve
- Available with or without Hose Reel



FSGUARD-100 *FSGUARD-100-HP-DP-70.1-GRIP* *FSGUARD-50-LHR*

SPECIFICATIONS	FSGUARD-100	FSGUARD-100-HP-DP-70.1-GRIP	FSGUARD-100-LHR
Capacity	100 Gallons	100 Gallons	100 Gallons
Hose Reel	Electric	Manual	-
Hose Length	100'	100'	25' (Kink Free)
Hose Size	3/4"	3/8"	3/4"
Spray Distance	35'	45'	35'
Max Output	40 PSI	290 PSI	40 PSI
Run Time	5 Minutes	30 Minutes	5 Minutes
Motor	4 HP Honda GX120	4 HP Honda GX120	4 HP Honda GX120
Pump	Ace GE-85	John Blue DP-70.1-GRIP (Poly) Diaphragm	Ace GE-85
50 GALLONS	FSGUARD-50	FSGUARD-50-HP-DP-70.1-GRIP	FSGUARD-50-LHR

SPECIFICATIONS	FSGUARD-CONVERT
Hose Length	25'
Hose Size	3/4"
Spray Distance	35'
Max Output	40 PSI
Run Time	5 Minutes



FLOW INDICATOR COLUMN ASSEMBLIES



FLOW INDICATOR ASSEMBLY/PARTS


20460-01


20460-03


20460-04

Part#	Description
20460-00	Flow Indicator Assembly (Includes Body, Ball Retainer, O-Ring, Seal, Two U-Clips & Black, Red, Green and 1/2 Stainless Steel Balls)
20460-01	Flow Indicator Body
20460-04	Lock U-Clamp, 302SS
20460-02	Ball Retainer
20460-03	O-Ring – 212 (For Indicator Body & Fittings)
40225-04	O-Ring – 015 (For Orifice Inserts)

FLOW INDICATOR O-RING FITTINGS


20503-00


20512-00

HOSE SHANK ADAPTERS

Part#	Description
20501-00	ORS x Hose Shank Strait 3/8"
20502-00	ORS x Hose Shank Strait 1/2"
20503-00	ORS x Hose Shank Strait 3/4"
20511-00	ORS x Hose Shank 90º 3/8"
20512-00	ORS x Hose Shank 90º 1/2"
20513-00	ORS x Hose Shank 90º 3/4"
20516-00	ORS Male x 1/4" Push-In Tube 90°
20517-00	ORS Male x 3/8" Push-In Tube 90°


20522-00


20523-00


20525-00

CONNECTOR TEES

Part#	Description
20523-00	ORS Male x ORS Female(Blind) x 3/8" NPT FE Isolator Tee
20524-00	ORS Male x ORS Female x 3/8" NPT FE Tee
20525-00	ORS Male x ORS Male x 1" NPT FE Tee
20526-00	ORS Male x ORS Male x ORS Female—Tee with 1/4" NPT Port


20518-00


20519-00

1/4" NPT FITTING ADAPTER

Part#	Description
20518-00	ORS Male x 1/4" NPT FE 90º
20519-00	ORS Male x 1/4" NPT FE


20521-00

CAP

Part#	Description
20521-00	ORS Cap

FLOW INDICATOR BALLS



Part#	Description
20460-08	Flow Ind. Ball – Green – 0.05-0.18 GPM
20460-07	Flow Ind. Ball – Red Celcon – 0.09-0.30 GPM
20460-06	Flow Ind. Ball – Maroon Glass – 0.31-0.72 GPM
20460-05	Flow Ind. Ball – 1/2" Stainless Steel 302 – 0.40-1.33 GPM

JOHN BLUE VISA GAGE II


SMSS4

Part#	Description
SMSS4	Set of 4 Flow Monitor Assembly - Spray Type includes: 4 bodies, 1/2" NPT female inlet, 3/8" NPT female outlet, (20) 1/2" diameter balls, end cap, Viton O-rings & stainless steel retainer clips
SMPT-0001	Flow Monitor Body Only - Spray System Type
SMPT-0051	John Blue Vg2 1/4" Tube Push-Conn Elbow Adapter
SMPT-0053	Adapt Elbow - 3/8" Push Con (No Oring)
SMPT-0003	3/8" NPT Visagage Port Adapter
SMPT-0004	1/2" Female Npt Port Inlet Adapter
SMPT-0007	#212 Viton O-Ring
SMPT-0006	Retainer Clip For John Blue Visagage

TeeJet FLOW REGULATORS

Part#	Description
CP4916-*	TeeJet Flow Regulator



Note: Always insert Orifice Plate with side marked with number facing the outlet.

MATERIAL: Stainless Steel

To determine the orifice plates you need, use the following equations:

$$\text{GPM (Per Nozzle)} = \frac{\text{GPA} \times \text{MPH} \times \text{W}}{5{,}940}$$

$$\text{GPA} = \frac{5{,}940 \times \text{GPM (Per Nozzle)}}{\text{MPH} \times \text{W}}$$

W = Nozzle spacing (in inches) for broadcast spraying.

= Spray width (in inches) for single nozzle, band spraying or boomless spraying.

= Row spacing (in inches) divided by the number of nozzles per row for directed spraying.

Tip Strainer Size Recommendation

FOR ORIFICE SIZE	USE MESH SIZE
15 and smaller	200
16–39	100
40–70	50
72 and larger	—

Tabulated flow rates are for spraying water into air at atmospheric pressure. If your application creates backpressure, or if spraying into a liquid, measure and calibrate to ensure proper application rates. For spraying solutions other than water, see chart below for conversion factors.

	GPM						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
CP4916-008	0.003	0.004	0.006	0.007	0.008	0.009	0.010
CP4916-10	0.005	0.007	0.009	0.011	0.013	0.015	0.016
CP4916-12	0.007	0.010	0.013	0.016	0.019	0.021	0.023
CP4916-14	0.009	0.013	0.018	0.022	0.025	0.028	0.031
CP4916-15	0.010	0.015	0.021	0.025	0.029	0.032	0.036
CP4916-16	0.012	0.017	0.023	0.029	0.033	0.037	0.040
CP4916-18	0.015	0.021	0.030	0.036	0.042	0.047	0.051
CP4916-20	0.018	0.026	0.037	0.045	0.052	0.058	0.064
CP4916-22	0.022	0.031	0.043	0.053	0.061	0.068	0.075
CP4916-24	0.026	0.037	0.052	0.064	0.074	0.083	0.091
CP4916-25	0.028	0.040	0.056	0.068	0.079	0.088	0.097
CP4916-26	0.030	0.043	0.061	0.074	0.086	0.096	0.105
CP4916-27	0.032	0.046	0.064	0.079	0.091	0.102	0.111
CP4916-28	0.035	0.049	0.069	0.085	0.098	0.110	0.120
CP4916-29	0.038	0.054	0.076	0.094	0.108	0.121	0.132
CP4916-30	0.040	0.057	0.081	0.099	0.114	0.127	0.140
CP4916-31	0.043	0.062	0.087	0.107	0.123	0.138	0.151
CP4916-32	0.048	0.068	0.095	0.117	0.135	0.151	0.165
CP4916-34	0.052	0.074	0.104	0.127	0.147	0.164	0.180
CP4916-35	0.056	0.079	0.111	0.136	0.157	0.176	0.192
CP4916-37	0.061	0.086	0.122	0.149	0.172	0.192	0.211
CP4916-39	0.068	0.096	0.135	0.165	0.191	0.214	0.234
CP4916-40	0.072	0.102	0.144	0.177	0.204	0.228	0.250
CP4916-41	0.075	0.106	0.149	0.183	0.211	0.236	0.258
CP4916-43	0.082	0.116	0.163	0.200	0.231	0.258	0.283
CP4916-45	0.088	0.125	0.177	0.217	0.250	0.280	0.306
CP4916-46	0.095	0.135	0.191	0.234	0.270	0.302	0.331

	GPM						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
CP4916-47	0.097	0.138	0.194	0.238	0.275	0.307	0.337
CP4916-48	0.101	0.143	0.202	0.248	0.286	0.320	0.350
CP4916-49	0.104	0.148	0.209	0.255	0.295	0.330	0.361
CP4916-51	0.116	0.165	0.233	0.285	0.329	0.368	0.403
CP4916-52	0.118	0.168	0.237	0.290	0.335	0.375	0.410
CP4916-54	0.127	0.180	0.255	0.312	0.360	0.402	0.441
CP4916-55	0.133	0.189	0.267	0.326	0.377	0.421	0.462
CP4916-57	0.141	0.200	0.283	0.346	0.400	0.447	0.490
CP4916-59	0.153	0.217	0.306	0.375	0.433	0.484	0.530
CP4916-61	0.165	0.233	0.330	0.404	0.466	0.521	0.571
CP4916-63	0.174	0.246	0.347	0.425	0.491	0.549	0.601
CP4916-65	0.185	0.261	0.369	0.452	0.522	0.584	0.639
CP4916-67	0.196	0.278	0.392	0.481	0.555	0.621	0.680
CP4916-68	0.203	0.287	0.405	0.496	0.573	0.641	0.702
CP4916-70	0.216	0.306	0.433	0.530	0.612	0.684	0.750
CP4916-72	0.226	0.320	0.453	0.554	0.640	0.716	0.784
CP4916-73	0.233	0.330	0.467	0.572	0.660	0.738	0.808
CP4916-75	0.245	0.347	0.491	0.601	0.694	0.776	0.850
CP4916-78	0.272	0.385	0.544	0.667	0.770	0.861	0.943
CP4916-80	0.280	0.397	0.561	0.687	0.793	0.887	0.971
CP4916-81	0.290	0.411	0.581	0.711	0.821	0.918	1.01
CP4916-83	0.317	0.449	0.634	0.777	0.897	1.00	1.10
CP4916-86	0.332	0.470	0.664	0.813	0.939	1.05	1.15
CP4916-89	0.346	0.490	0.693	0.849	0.980	1.10	1.20
CP4916-91	0.369	0.523	0.739	0.905	1.05	1.17	1.28
CP4916-93	0.387	0.547	0.774	0.947	1.09	1.22	1.34
CP4916-95	0.404	0.572	0.808	0.990	1.14	1.28	1.40

	GPM						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
CP4916-98	0.442	0.625	0.884	1.08	1.25	1.40	1.53
CP4916-103	0.461	0.653	0.923	1.13	1.31	1.46	1.60
CP4916-107	0.518	0.733	1.04	1.27	1.47	1.64	1.79
CP4916-110	0.548	0.775	1.10	1.34	1.55	1.73	1.90
CP4916-115	0.605	0.855	1.21	1.48	1.71	1.91	2.09
CP4916-120	0.629	0.890	1.26	1.54	1.78	1.99	2.18
CP4916-125	0.693	0.980	1.39	1.70	1.96	2.19	2.40
CP4916-128	0.721	1.02	1.44	1.77	2.04	2.28	2.50
CP4916-132	0.774	1.10	1.55	1.90	2.19	2.45	2.68
CP4916-136	0.840	1.19	1.68	2.06	2.38	2.66	2.91
CP4916-140	0.894	1.27	1.79	2.19	2.53	2.83	3.10
CP4916-144	0.926	1.31	1.85	2.27	2.62	2.93	3.21
CP4916-147	0.953	1.35	1.91	2.33	2.70	3.01	3.30
CP4916-151	1.04	1.47	2.08	2.55	2.94	3.29	3.60
CP4916-156	1.10	1.55	2.20	2.69	3.11	3.47	3.80
CP4916-161	1.15	1.63	2.31	2.83	3.27	3.65	4.00
CP4916-166	1.21	1.72	2.43	2.97	3.43	3.84	4.20
CP4916-170	1.30	1.84	2.61	3.19	3.69	4.12	4.51
CP4916-172	1.36	1.92	2.71	3.32	3.84	4.29	4.70
CP4916-177	1.41	2.00	2.83	3.46	4.00	4.47	4.90
CP4916-182	1.47	2.08	2.95	3.61	4.17	4.66	5.10
CP4916-187	1.56	2.21	3.12	3.82	4.41	4.93	5.40
CP4916-196	1.73	2.45	3.46	4.24	4.90	5.47	6.00
CP4916-205	1.88	2.65	3.75	4.59	5.31	5.93	6.50
CP4916-218	2.11	2.98	4.21	5.16	5.96	6.66	7.30
CP4916-234	2.45	3.47	4.91	6.01	6.94	7.76	8.50
CP4916-250	2.83	4.00	5.66	6.93	8.00	8.94	9.80

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).

Spraying Liquids with a Density Other Than Water

Since all the tabulations in this catalog are based on spraying water, which weighs 8.34 lbs. per USA gallon, conversion factors must be used when spraying liquids that are heavier or lighter than water. To determine the proper size nozzle for the liquid to be sprayed, first multiply the desired GPM or GPA of liquid by the water rate conversion factor. Then use the new converted GPM or GPA rate to select the proper size nozzle.

Example:

Desired application rate is 20 GPA of 28%N. Determine the correct nozzle size as follows:

GPA (liquid other than water) x Conversion Factor
= GPA (from table in catalog)

20 GPA (28%) x 1.13
= 22.6 GPA (water)

The applicator should choose a nozzle size that will supply 22.6 GPA of water at the desired pressure.

WEIGHT OF SOLUTION	SPECIFIC GRAVITY	CONVERSION FACTOR
7.0 lbs./gal.	.84	.92
8.0 lbs./gal.	.96	.98
8.34 lbs./gal.	1.00 – WATER	1.00
9.0 lbs./gal.	1.08	1.04
10.0 lbs./gal.	1.20	1.10
10.65 lbs./gal.	1.28 – 28% nitrogen	1.13
11.0 lbs./gal.	1.32	1.15
12.0 lbs./gal.	1.44	1.20
14.0 lbs./gal.	1.68	1.30

QUICK TEEJET 360 DRY BOOM NOZZLE BODIES



- Positive Shut-off Between Each Spray Position
- Use with All Quick-Change Color Caps

Part# Single Inlet	Part# Double Inlet	Spray Outlets	Hose Size
QJ363C-500-1-NYB	QJ363C-500-2-NYB	3	1/2
QJ363C-750-1-NYB	QJ363C-750-2-NYB	3	3/4
QJ364C-500-1-NYB	QJ364C-500-2-NYB	4	1/2
QJ364C-750-1-NYB	QJ364C-750-2-NYB	4	3/4
QJ365C-500-1-NYB	QJ365C-500-2-NYB	5	1/2
QJ365C-750-1-NYB	QJ365C-750-2-NYB	5	3/4

QJ200 SERIES NOZZLE BODIES



- ChemSaver Diaphragm Check Valve for Drip-Free Shut-off (Opens at 10 PSI)
- Standard Diaphragm is EPDM (Viton Optional)

Part#	Size
19349-211-406-NYB	3/8
19349-211-540-NYB	1/2
19349-211-785-NYB	3/4
19350-212-406-NYB	3/8
19350-212-540-NYB	1/2
19350-212-785-NYB	3/4
19351-213-406-NYB	3/8
19351-213-540-NYB	1/2
19351-213-785-NYB	3/4

TRIPLE NOZZLE BODIES



- Simplifies Changing Tips
- Positive Shut-off Between Each Spray Position
- Use with All TeeJet Caps
- 10 PSI ChemSaver Diaphragm Check Valve for Drip-Free Shut-off

Part#	Size
24230A-1-540-NYB	1/2
24230A-1-785-NYB	3/4
24230A-2-540-NYB	1/2
24230A-2-785-NYB	3/4

QJ100 SERIES NOZZLE BODIES



Part#	Size
18635-111-406-NYB	3/8
18638-111-540-NYB	1/2
18719-111-785-NYB	3/4
18636-112-406-NYB	3/8
18639-112-540-NYB	1/2
18720-112-785-NYB	3/4
18637-113-406-NYB	3/8
18640-113-540-NYB	1/2
18721-113-785-NYB	3/4

QJ300 SERIES NOZZLE BODIES



- ChemSaver Diaphragm Check Valve for Drip-Free Shut-off (Opens at 10 PSI)
- Standard Diaphragm is EPDM (Viton Optional)

Part#	Size
22251-311-375-NYB	3/8
22251-311-500-NYB	1/2
22251-311-750-NYB	3/4
22252-312-375-NYB	3/8
22252-312-500-NYB	1/2
22252-312-750-NYB	3/4

QUICK TEEJET 380 WET BOOM NOZZLE BODIES



- Positive Shut-off Between Each Spray Position
- Seals to 3/8" (9.5 mm) Hole Drilled in Pipe or Tube
- Use with All Quick-Change Color Caps
- Mounts to 1/2", 3/4" or 1" Pipe

Part#	Spray Outlets	Pipe Size
QJ363C-1/2-NYB	3	1/2
QJ363C-3/4-NYB	3	3/4
QJ363C-1-NYB	3	1
QJ364C-1/2-NYB	4	1/2
QJ364C-3/4-NYB	4	3/4
QJ364C-1-NYB	4	1
QJ365C-1/2-NYB	5	1/2
QJ365C-3/4-NYB	5	3/4
QJ365C-1-NYB	5	1

HIGH-FLOW QJ NOZZLE BODIES



- Standard and Fertilizer styles available
- Triple outlet turrets on all assemblies

APPLICATIONS:

- High-speed Self-Propelled Machines
- High flow rate Liquid Fertilizer Applications

Part#	Spray Outlets	Pipe Size
QJ383-3/4-NYB	3	3/4
QJ383-1-NYB	3	1

SINGLE NOZZLE BODIES



- Mounts on 1/2", 3/4" or 1" Pipe
- Seals to 3/8" (9.5 mm) Hole Drilled in Pipe or Tube
- 1/2" & 3/4" Sizes Can be Mounted to Flat Surfaces

Part#	Size
QJ7421-3/4-NYB	3/4
QJ7421-1-NYB	1"

DIAPHRAGM NOZZLE BODIES (SINGLE)



- Mounts on 1/2", 3/4" or 1" Pipe
- Seals to 3/8" (9.5 mm) Hole Drilled in Pipe or Tube
- Includes ChemSaver Diaphragm Check Valve for Drip-Free Shut-off (Opens at 10 PSI)

Part#	Size
QJ17560A-1/2-NYB	1/2
QJ17560A-3/4-NYB	3/4
QJ17560A-1-NYB	1

DIAPHRAGM NOZZLE BODIES (TRIPLE)



- Mounts on 1/2", 3/4" or 1" Pipe
- Seals to 3/8" (9.5 mm) Hole Drilled in Pipe or Tube
- Positive Shut-off Between Each Spray Position
- Includes ChemSaver Diaphragm Check Valve for Drip-Free Shut-off (Opens at 10 PSI)

Part#	Size
24216A-1/2-NYB	1/2
24216A-3/4-NYB	3/4
24216A-1-NYB	1

RAPID STOP



- Evacuates air trapped in booms
- Reduces boom shut-off times
- Improves boom start times
- Does NOT require boom redesign

Part#	Description
CP98583-3-1/2-SS	1/2" Rapid Stop ADP for QJ360C Series
CP98583-3-1-SS	1" Rapid Stop ADP for QJ360C Series
CP98583-3-3/4-SS	3/4" Rapid Stop ADP for QJ360C Series

RETROFIT SEAL (VITON)



- Replaces John Deere factory supplied bodies
- Fits existing booms with 11/16" holes

Part#	Description
CP98488-VI	Retrofit Seal for large hole wet booms

MANUAL DIAPHRAGM SHUTOFF



Part#	Description
58140-NYB	Chemsaver Manual Shutoff

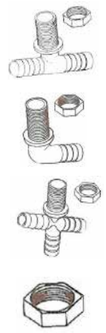
BOOM COMPONENTS

BOOM CLAMPS



	Part#	Size
Standard Round	AA111-1/2	1/2
	AA111-3/4	3/4
	AA111-1	1
	AA111-11/4	1 1/4
Standard Square	AA111SQ-1	1
	AA111SQ-11/4	1 1/4
	AA111SQ-11/2	1 1/2
QuickJet Round	QJ111-1/2	1/2
	QJ111-3/4	3/4
	QJ111-1	1
	QJ111-11/4	1 1/4
QuickJet Square	QJ111SQ-3/4	3/4
	QJ111SQ-1	1
	QJ111SQ-11/4	1 1/4
	QJ111SQ-11/2	1 1/2

OLD STYLE THREADED NOZZLE BODIES



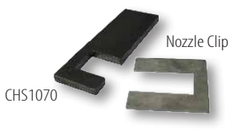
Part#	Description
8120-NYB-406TD	3/8 Nylon Tee
8120-NYB-540TD	1/2 Nylon Tee
8121-NYB-406TD	3/8 Nylon Elbow
8121-NYB-540TD	1/2 Nylon Elbow
8124-NYB-406TD	3/8 Nylon Cross
8124-NYB-540TD	1/2 Nylon Cross
CP8027-NYB	Nylon Cap
CP1325	Brass Cap
8023NYB	Nylon Nut

SWIVEL BODY ASSEMBLIES



Part#	Description
QJ8600-1/4NYB	Single Swivel
QJ8600-2-1/4NYB	Double Swivel

NOZZLE CLIP/ HOLDER



Part#	Description
NOZZLE CLIP	Nozzle Clip
CHS1070	Weld on Nozzle Mount

NOZZLE HOSE DROPS



- Connect to Standard and Quick TeeJet Nozzle Bodies
- Can be used with swivels

Part#	Length	Description
21353-6-15-NYB	15"	Quick TeeJet Type
21353-6-24-NYB	24"	Quick TeeJet Type

ADAPTERS


QJ8355


8360


QJT8360

- Adapts all Quick TeeJet parts to 1/8" or 1/4" NPT
- Includes ChemSaver Diaphragm Check Valve for Drip-Free Shut-off (Opens at 10 PSI).
- Standard Diaphragm is EPDM (Viton Optional)

Part#	Size
QJ8355-1/8-NYB	1/8 FNPT
QJ8355-1/4-NYB	1/4 FNPT
8360NYB	1/4 MNPT
QJT8360-NYB	11/16" 16 TeeJet Thread
CP20266EPDM	Gasket

STRAINERS/ CHECK VALVES


8079


4193

Part#	Mesh
8079PP24	24
8079PP50	50
8079PP80	80
8079PP100	100
8079PP200	200
4193B-PP-10-100SS	100

INLET CONNECTORS


CP1322


CP1321

Part#	Material	Size
CP1322	BRASS	1/4
QJ1/4TT-NYB	NYLON	1/4
CP1321	BRASS	1/4
QJ1/4T-NYB	NYLON	1/4

WILGER


40352


40353


40354


40311


40312


40313


40621


40622


40623


40661


40662


40663


41437


40155-23

COMBO-JET SYSTEM

Part#	Description
	DRY BOOM
40352-00	Combo-Jet Sq. Mt. Dry Boom – Single with Diaphragm
40353-00	Combo-Jet Sq. Mt. Dry Boom – Double Swivel with Diaphragm
40354-00	Combo-Jet Sq. Mt .Dry Boom – Triple Swivel with Diaphragm
40301-00	Hose Shank Adapter – 3/8" One Way
40302-00	Hose Shank Adapter – 3/8" Two Way
40306-00	Hose Shank Adapter – 1/2" One Way
40307-00	Hose Shank Adapter – 1/2" Two Way
40311-00	Hose Shank Adapter – 3/4" One Way
40312-00	Hose Shank Adapter – 3/4" Two Way
40313-00	Hose Shank Adapter – 3/4" Three Way

COMBO-JET OUTLET NOZZLES

Part#	Description
	WET BOOM
40621-00	Wilger 1" Wet Boom Nozzle Body Assembly Single Combo Jet Outlet with Bolt Mount
40622-00	Wilger 1" Wet Boom Nozzle Body Assembly Dual Combo Jet Outlet with Bolt Mount
40623-00	Wilger 1" Wet Boom Nozzle Body Assembly Triple Combo Jet Outlet with Bolt Mount

SQUARE LUG OUTLET NOZZLE BODIES

Part#	Description
	WET BOOM
40661-00	Wilger 1" Wet Boom Nozzle Body Assembly Single Square Lug Outlet with Bolt Mount
40662-00	Wilger 1" Wet Boom Nozzle Body Assembly Dual Square Lug Outlet with Bolt Mount
40663-00	Wilger 1" Wet Boom Nozzle Body Assembly Triple Square Lug Outlet with Bolt Mount

Part#	Description
41437-00	Combo-Rate II INTGL Saddle/Body Blended Pulse 1" 1 Way 3/8" Inlet Bolt Mount
40155-23	Molded Diaphragm Plus Pad O-Ring, FKM

COMBO-RATE SYSTEM


41110


41111


41136

Part#	Description
	MANUAL ON/OFF DIAPHRAGM NOZZLE BODIES
41110-00	Combo-Rate Thru Diaphragm Body Assembly Manual On/Off
41111-00	Combo-Rate End Diaphragm Body Assembly Manual On/Off
	CAPSTAN BLENDED PULSE NOZZLE BODIES
41136-00	Combo-Rate End Body Assembly for Capstan (without nut)
	SQ. MT. EXTRA HIGH REACH DRY BOOM
40342-00	Dry Boom Clamp Assembly 1 1/2 - 2 sq. and Rd. Tube

WET BOOM BODIES


41200

Part#	Description
	COMBO-RATE SIDE INLET SADDLES
41203-00	Wet Boom Saddle Assembly 1/2" Pipe, 3/8" Inlet
41200-00	Wet Boom Saddle Assembly 1" Pipe, 3/8" Inlet
	COMBO-JET & SQUARE LUG ADAPTERS
40203-00	Combo-Jet To Square Lug Adapter
	WILGER BOOM END FLUSH VALVES
25176-V0	Quick Nut Boom End Flush Valve 1" FPT
41402-V0	Thin Wall Steel Boom End Flush Valve For Case 1.315 "Od Pipe
25175-10	Boom End Valve Replacement Dust Cap
25160-V4	O-Ring For Wilger Boom End Flush Valve
25175-11	Boom End Flush Valve Repair Kit (2 Valves) Viton


25176-V0


41402-V0

COMBO-JET SPRAY TIPS

MR TIP

- The MR series Wilger's 2nd stage drift reduction series, producing great coverage, with very significant drift reduction.
- Cap reduces 75% of driftable fines
- Ideal for applications which require good coverage, but require high levels of drift reduction. (i.e. Systemic Herbicides)

Nozzle Number
MR110-*



* Specify Opening Size Below

02 | 03 | 04 | 05 | 06 | 08 | 10

UR TIP

- The UR series is Wilger's newest 4th stage drift reduction series, emphasizing coarse spray for ultimately low drift.
- The UR series was developed for applications that have very low tolerance for spray particle drift, minimizing off-target spray movement.
- Ideal for applications which value drift reduction over coverage. Typically coverage is maintained by using higher application volumes. (i.e. Ground-Applied & Systemic Herbicides)

Nozzle Number
UR110-*



* Specify Opening Size Below

02 | 03 | 04 | 05 | 06 | 08 | 10

Y-LINE STRAINERS


LS100-80


MLS300-50


LS250

SCREENS MESH SIZE	OLD RIB COLOR	NEW RIB COLOR
6 MESH	WHITE	WHITE
12 MESH	BLACK	BLACK
20 MESH	BEIGE	BEIGE
30 MESH	YELLOW	FLAME RED
40 MESH	BROWN	BROWN
50 MESH	RED	GENTIAN BLUE
80 MESH	BLUE	ZINC YELLOW
100 MESH	GREEN	TRAFFIC GREEN
120 MESH	BLACK	BLACK

	Part#	Size	Mesh
1"	LS100-40	1	40
1 ¼"	LS125-40	1 1/4"	40
	LS125-80	1 1/4"	80
1 ½"	LS150-30	1 1/2"	30
	LS150-50	1 1/2"	50
	LS150-80	1 1/2"	80
2"	LS200-12	2"	12
	LS200-20	2"	20
	LS200-50	2"	50
	LS200-80	2"	80
	LS200-120	2"	120
2"	MLS200-50	2"	50
	MLS222-50	2"	50
3"	MLS300-50	3"	50

Y-LINE STRAINER PARTS

Part#	Description
LS100-G	3/4" & 1" Strainer Gasket
LS150-G	Strainer Gasket - 1 1/2" and 2" Strainers
12777	1/2" Drain Plug - 1" and 1 1/4" Strainers
LSQ200PL	1" Drain Plug - 1 1/2" and 2" Strainers
UV15163	O-ring for Drain Plug - 1" and 1 1/4" Strainer
LSQ200R	O-ring for Drain Plug - 1 1/2" and 2" Strainers
LS740	40 Mesh Screen - 1/2" and 3/4" Strainers
LS780	80 Mesh Screen - 1/2" and 3/4" Strainers
LS140	40 Mesh Screen - 1" and 1 1/4" Strainers
LS180	80 Mesh Screen - 1" and 1 1/4" Strainers
LS220	20 Mesh Screen - 1 1/2" and 2" Strainers
LS230	30 Mesh Screen - 1 1/2" and 2" Strainers
LS250	50 Mesh Screen - 1 1/2" and 2" Strainers
LS280	80 Mesh Screen - 1 1/2" and 2" Strainers
LS320	20 SS Mesh Screen for MLS300 Strainer
LS350	50 SS Mesh Screen for 3" Manifold Strainer
LST230SS	30 SS Mesh Screen for 2" T Strainer
LST250SS	50 SS Mesh Screen for 2" T Strainer
MLS250SS	50 SS Mesh Perforated Screen

T-LINE STRAINERS



3/4" MINI T STRAINER



3/4" & 1"



1 1/4" & 1 1/2"



LST100

SCREENS		
MESH SIZE	OLD RIB COLOR	NEW RIB COLOR
6 MESH	WHITE	WHITE
12 MESH	BLACK	BLACK
20 MESH	BEIGE	BEIGE
30 MESH	YELLOW	FLAME RED
40 MESH	BROWN	BROWN
50 MESH	RED	GENTIAN BLUE
80 MESH	BLUE	ZINC YELLOW
100 MESH	GREEN	TRAFFIC GREEN
120 MESH	BLACK	BLACK

	Part#	Size	Mesh
¾"	LSTM075-50	3/4"	50
	LST075-30	3/4"	30
	LST075-50	3/4"	50
	LST075-80	3/4"	80
	LST075-100	3/4"	100
1"	LST100-30	1"	30
	LST100-50	1"	50
	LST100-80	1"	80
	LST100-100	1"	100
1 ¼"	LST125-30	1 1/4"	30
	LST125-50	1 1/4"	50
	LST125-80	1 1/4"	80
	LST125-100	1 1/4"	100
1 ½"	LST150-30	1 1/2"	30
	LST150-50	1 1/2"	50
	LST150-80	1 1/2"	80
	LST150-100	1 1/2"	100

T-LINE STRAINER PARTS

Part#	Description
LSTM050G	EPDM Gasket for Mini T-Strainer
LST100-G	3/4" & 1" Strainer Gasket
12777	1/2" Drain Plug - 1" and 1 1/4" Strainers
UV15163	O-ring for Drain Plug - 1" and 1 1/4" Strainer
LST130	30 Mesh Screen - 3/4" and 1" Strainer
LST150	50 Mesh Screen - 3/4" and 1" Strainer
LST180	80 Mesh Screen - 3/4" and 1" Strainer
LST1100	100 Mesh Screen - 3/4" and 1" Strainer
LST150-G	T-Line Strainer Gaskets - 1 1/4" and 1 1/2" Strainers
LSQ200PL	1" Drain Plug - 1 1/2" and 2" Strainers
LSQ200R	O-ring for Drain Plug - 1 1/2" and 2" Strainers
LST1530	30 Mesh Screen - 1 1/4" and 1 1/2" Strainers
LST1550	50 Mesh Screen - 1 1/4" and 1 1/2" Strainers
LST1580	80 Mesh Screen - 1 1/4" and 1 1/2" Strainers
LST15100	100 Mesh Screen - 1 1/4" and 1 1/2" Strainers

TeeJet

TEEJET T-LINE STRAINERS



Part#	Pipe/Flange Connection	APPROXIMATE FLOW RATE WITH 5 PSI (0.34 bar) PRESSURE DROP IN GPM (l/min)
AA122-1/2-PP-*	1/2"	12 (45)
AA122-ML-1/2-PP-50	1/2"	12 (45)
AA126ML-F50-*	50 Series Flange	35 (132)
AA126ML-3-*	3/4"	23 (87)
AA126ML-4-*	1"	35 (132)
AA126ML-F75-*	75 Series Flange	77 (291)

* Specify Mesh Size



Screen	
Mesh	Part#
50	CP45102-3-SSPP (shown)
80	CP45102-4-SSPP
100	CP45102-5-SSPP
50	CP16903-4-SSPP
80	CP16903-5-SSPP
100	CP16903-6-SSPP
30	CP15941-2-SSPP
50	CP15941-3-SSPP
80	CP15941-4-SSPP
100	CP15941-5-SSPP

HYPRO

HYPRO T-LINE STRAINERS



Part#	Mesh	Size	Replacement Screens	Replacement Gaskets
3350-0043A	80	1/2"	3800-0026	1700-0091
3350-0034A	50	3/4"	3800-0025	1700-0092
3350-0035A	80	3/4"	3800-0026	
3350-0058A	50	1"	3800-0041	
3350-0059A	80	1"	3800-0042	
3350-0072A	50	1 1/4"	3800-0044	
3350-0113A	50	1 1/2"	3800-0066	

TeeJet® BROADCAST SPRAY NOZZLES

TP - TEEJET
Flat Spray 80° / 110°

BENEFIT: ALL AROUND SPRAYING



- Tapered edge flat spray pattern for uniform coverage in broadcast spraying.
- 30-60 psi

Nozzle Number	Material
TP80*VP	Polymer
TP80*VS	Polymer / SS

* Specify Opening Size Below

01 | 015 | 02 | 03 | 04 | 05 | 06

TT - TURBO TEEJET
Wide Angle Flat Spray 110°

BENEFIT: LOW DRIFT





- Tapered edge wide angle flat spray pattern for uniform coverage in broadcast spraying
- Large, rounded internal passage to minimize clogging.
- Excellent resistance to corrosive solutions.
- Larger droplets for less drift-15-90 PSI (1–6 bar).
- Automatic spray alignment with 25612-*-NYR Quick TeeJet® cap and gasket.

Nozzle Number	Material
TT110*VP	Polymer

* Specify Opening Size Below

01 | 015 | 02 | 025 | 03 | 04 | 05 | 06 | 08

TTJ - TURBO TWINJET
Twin Flat Spray 110°

BENEFIT: FUNGICIDE APPLICATION





- Dual outlet design produces two 110° flat fan spray patterns using the patented technology from the Turbo TeeJet® nozzle. The angle between each spray pattern is 60° forward and back.
- Best suited for broadcast spraying where superior leaf coverage and canopy penetration is important.
- Droplet size range is slightly larger than for the same capacity Turbo TeeJet nozzle providing drift-reducing properties with increased canopy coverage and penetration.
- Ideal for use with automatic sprayer controllers.
- 20-90 psi

Nozzle Number	Material
TTJ60-110*VP	Polymer

* Specify Opening Size Below

02 | 025 | 03 | 04 | 05 | 06

SEE PAGE 94 FOR AN APPLICATION CHART!

TTI - TURBO TEEJET INDUCTION
Flat Spray 110°

BENEFIT: VERY LOW DRIFT / COARSE DROPLETS





- 110° wide angle, air induction, tapered flat spray tip pattern.
- Patented orifice design (based on the original Turbo TeeJet®) provides large, round passages to minimize plugging.
- Depending on the chemical, produces large air-filled drops through a Venturi air aspirator resulting in less drift.
- Removable pre-orifice.
- Ideal for use with automatic sprayer controllers.
- Wide operating pressure range: 15–100 PSI (1–7 bar).

Nozzle Number	Material
TTI110*VP	Polymer

* Specify Opening Size Below

015 | 02 | 025 | 03 | 04 | 05 | 06

XR/XRC - TEEJET
Extended Range Flat Spray 80° / 110°

BENEFIT: ALL AROUND SPRAYING / LONG LIFE


XR


XRC

- Tapered edge wide angle flat spray pattern for uniform coverage in broadcast spraying
- Large, rounded internal passage to minimize clogging.
- Excellent resistance to corrosive solutions.
- Larger droplets for less drift—15–60 PSI (1–4 bar).
- Automatic spray alignment with 25612-*-NYR Quick TeeJet® cap and gasket.

Nozzle Number	Material
XR110*VP	Polymer
XR80*VS	SS
XRC110*VK	Ceramic
XRC80*VS	SS

* Specify Opening Size Below

01 | 015 | 02 | 025 | 03 | 04 | 05 | 06 | 08

AIXR - TEEJET
Air Induction XR Flat Spray 110°

BENEFIT: LOW DRIFT



- 110° wide, tapered flat spray angle with air induction technology to manage drift.
- Made of a two-piece polymer construction with VisiFlo® color-coding.
- Depending on the chemical, produces large air-filled drops through a Venturi air aspirator.
- Removable pre-orifice.
- 15-90 psi

Nozzle Number	Material
AIXR110*VP	Polymer

* Specify Opening Size Below

015 | 02 | 025 | 03 | 04 | 05 | 06

SEE PAGE 94 FOR AN APPLICATION CHART!

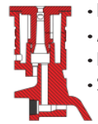
TeeJet® BROADCAST SPRAY NOZZLES

AI3070
Air Induction Dual Pattern
Flat Spray 30° Forward / 70° Backward



BENEFIT: LOW DRIFT / SUPER COVERAGE

- 30° forward tilted spray penetrates dense crop canopies, while the backward tilted 70° spray maximizes coverage of the crop seed head
- Drift resistant drops are produced through the use of a venturi air aspirator



- Large, round, free passages minimize clogging
- All acetal construction for excellent chemical and wear resistance
- Removable pre-orifice for fast and easy cleaning
- Suggested spray pressure range of 20 to 90 PSI (1.5 - 6 bar)

Nozzle Number	Material
AI3070*VP	Polymer

* Specify Opening Size Below

015 | 02 | 025 | 03 | 04 | 05

AI/AIC - TEEJET
Air Induction Flat Spray 110°


AI


AIC

BENEFIT: LOW DRIFT / LONG LIFE

- Stainless steel insert produces a tapered edge flat spray pattern for uniform coverage in broadcast spraying.
- Polymer insert holder and pre-orifice with VisiFlo® color-coding.
- Larger droplets for less drift.
- Recommended pressure rating is 30–100 PSI (2–8 bar).
- Depending on the chemical, produces large air-filled drops through the use of a Venturi air aspirator.

Nozzle Number	Material
AI110*VS	SS
AIC110*VP	Polymer
AIC110*VS	SS

* Specify Opening Size Below

015 | 02 | 025 | 03 | 04 | 05 | 06 | 08

APTJ - TWINJET
Twin Flat Spray 110°



BENEFIT: LONG LIFE

- Can be used for non-PWM applications, where maximum drift control is desired
- Acetal construction for long wear & excellent chemical resistance
- Extremely compact design fits into tight boom spaces
- Twin spray pattern for improved coverage & canopy penetration
- Recommended pressure rating is 20-100 PSI

Nozzle Number	Material
APTJ-110*VP	Polymer

* Specify Opening Size Below

015 | 02 | 025 | 03 | 04 | 05 | 06 | 08

SEE PAGE 94 FOR AN APPLICATION CHART!

AITTJ60
Air Induction with Dual 110° Flat Fan Patterns



BENEFIT: POSTEMERGENCE APPLICATIONS

- 60° between leading and trailing spray patterns
- Good coverage with increased canopy penetration and best drift control
- Large, round, free passages minimize clogging
- Pressure ranges from 20–90 PSI (1.5–6 bar)

Nozzle Number	Material
AITTJ60-110*VP	Polymer

* Specify Opening Size Below

02 | 025 | 03 | 04 | 05 | 06 | 08 | 10 | 15

OC - TEEJET
Off-Center Flat Spray

BENEFIT: BOOM END COVERAGE



- Commonly installed in double and single swivel nozzle bodies.
- Adjustable for angular position, providing a wide spray swath.

Nozzle Number	Material
OC*	Brass
OCSS*	SS

* Specify Opening Size Below

01 | 015 | 02 | 025 | 03 | 04 | 05 | 06

TK - FLOODJET
Wide Angle Flat Spray



BENEFIT: PRE-PLANT APPLICATION

- Used in High-Volume Applications

Nozzle Number	Material
TKSS*	SS
TKVS*	SS / Acetal

* Specify Opening Size Below

2 | 2.5 | 3 | 4 | 5 | 7.5 | 10

TeeJet® BANDING SPRAY NOZZLES

TP - TEEJET
Even Flat Spray 80° / 95°

SEE PAGE 74 FOR DROP NOZZLE TUBES



- Ideal for banding over the row or in row middles.
- Provides uniform distribution throughout the flat spray pattern.
- Easily mounted on spray boom or planter.
- 20-60 psi

Nozzle Number	Material
TP80*EVS	Polymer / SS

* Specify Opening Size Below

01 | 015 | 02 | 03 | 04 | 05 | 06 | 08

TeeJet®

FERTILIZER NOZZLES



SJ-3 STREAMJET

SJ-3 Fertilizer Nozzles

- Three solid streams of equal velocity and capacity.
- Removable metering orifice for easy cleaning.
- All acetal construction for excellent chemical resistance.
- Recommended operating pressure: 20–60 PSI (1.5–4 bar).



SJ-7 STREAMJET

SJ-7 Fertilizer Nozzles

- Creates seven identical fluid streams of equal velocity and capacity.
- Excellent spray distribution quality.
- Removable metering orifice for easy cleaning.
- All acetal construction for excellent chemical resistance.
- Recommended operating pressure: 20–60 PSI (1.5–4 bar).

LOOKING FOR DROP NOZZLE TUBES?
SEE PAGE 78

Nozzle Number	Material	015	02	03	05	06	08	10
SJ3A-*-VP	Polymer							

* Specify Opening Size Above

TIP PART NO. (STRAINER MESH SIZE)	PSI	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 20" SPRAY TIP SPACING									
			3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
SJ3-015-VP (100)	20	0.11	10.9	8.2	6.5	5.4	4.1	3.3	2.7	2.3	2.0	1.8	1.6
	30	0.13	12.9	9.7	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9
	40	0.15	14.9	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2
	50	0.16	15.8	11.9	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4
	60	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5
SJ3-02-VP (50)	20	0.14	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1
	30	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5
	40	0.20	19.8	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0
	50	0.21	21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1
	60	0.22	22	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.6	3.3
SJ3-03-VP (50)	20	0.24	24	17.8	14.3	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6
	30	0.27	27	20	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.5	4.0
	40	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
	50	0.33	33	25	19.6	16.3	12.3	9.8	8.2	7.0	6.1	5.4	4.9
	60	0.35	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2
SJ3-04-VP (50)	20	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
	30	0.36	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3
	40	0.40	40	30	24	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9
	50	0.43	43	32	26	21	16.0	12.8	10.6	9.1	8.0	7.1	6.4
	60	0.47	47	35	28	23	17.4	14.0	11.6	10.0	8.7	7.8	7.0
SJ3-05-VP (50)	20	0.36	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3
	30	0.45	45	33	27	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7
	40	0.50	50	37	30	25	18.6	14.9	12.4	10.6	9.3	8.3	7.4
	50	0.55	54	41	33	27	20	16.3	13.6	11.7	10.2	9.1	8.2
	60	0.59	58	44	35	29	22	17.5	14.6	12.5	11.0	9.7	8.8
SJ3-06-VP (50)	20	0.42	42	31	25	21	15.6	12.5	10.4	8.9	7.8	6.9	6.2
	30	0.54	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0
	40	0.60	59	45	36	30	22	17.8	14.9	12.7	11.1	9.9	8.9
	50	0.66	65	49	39	33	25	19.6	16.3	14.0	12.3	10.9	9.8
	60	0.70	69	52	42	35	26	21	17.3	14.9	13.0	11.6	10.4
SJ3-08-VP	20	0.56	55	42	33	28	21	16.6	13.9	11.9	10.4	9.2	8.3
	30	0.72	71	53	43	36	27	21	17.8	15.3	13.4	11.9	10.7
	40	0.80	79	59	48	40	30	24	19.8	17.0	14.9	13.2	11.9
	50	0.88	87	65	52	44	33	26	22	18.7	16.3	14.5	13.1
	60	0.94	93	70	56	47	35	28	23	19.9	17.4	15.5	14.0
SJ3-10-VP	20	0.65	64	48	39	32	24	19.3	16.1	13.8	12.1	10.7	9.7
	30	0.90	89	67	53	45	33	27	22	19.1	16.7	14.9	13.4
	40	1.00	99	74	59	50	37	30	25	21	18.6	16.5	14.9
	50	1.11	110	82	66	55	41	33	27	24	21	18.3	16.5
	60	1.19	118	88	71	59	44	35	29	25	22	19.6	17.7
SJ3-15-VP	20	0.99	98	74	59	49	37	29	25	21	18.4	16.3	14.7
	30	1.24	123	92	74	61	46	37	31	26	23	20	18.4
	40	1.50	149	111	89	74	56	45	37	32	28	25	22
	50	1.68	166	125	100	83	62	50	42	36	31	28	25
	60	1.83	181	136	109	91	68	54	45	39	34	30	27
SJ3-20-VP	20	1.41	140	105	84	70	52	42	35	30	26	23	21
	30	1.75	173	130	104	87	65	52	43	37	32	29	26
	40	2.00	198	149	119	99	74	59	50	42	37	33	30
	50	2.28	226	169	135	113	85	68	56	48	42	38	34
	60	2.49	247	185	148	123	92	74	62	53	46	41	37

COLOR CODE

1	2	3	4	5	6	7	8	9	10	11	12	13
Black	White	Red	Blue	Green	Yellow	Brown	Orange	Gray	Violet[3]	Lt. Blue[4]	Raspberry Red[5]	Lt. Green[5]

ORDERING INFORMATION

QUICK TEEJET CAPS	PART NUMBER: QUICK TEEJET CAP ONLY	PART NUMBER: QUICK TEEJET CAP & SEAT GASKET SET	FOR USE WITH FLAT SPRAY TIPS 300 PSI MAXIMUM PRESSURE
	CP26277-1-NYI[2]	26278-1-NYR[2]	Ceramic Disc-Core; D-Disc; Core; TXB ConeJet; AITXB ConeJet
	CP114395-1-NYBI[2]	114396-1-NYRI[2]	TXR ConeJet; 114396-1-NYR includes gasket and O-Ring (CP7717-M10.5x1.5-VI).
	—	QJ4676-45-1/4-NYRI[2]	45° Quick TeeJet cap with ¼" NPT female threaded outlet.
	—	QJ4676-90-1/4-NYRI[2]	90° Quick TeeJet cap with ¼" NPT female threaded outlet.
	—	QJ4676-1/8-NYRI[2]	Permits use of standard ⅛" and ¼" nozzles. Can be used for mounting pressure gauge at the nozzle. (B) = BSPT
	—	QJ(B)4676-1/4-NYRI[2]	
	—	114447-1-CELRI[2]	Provides shutoff at nozzle for quick spacing change or change in spray swath.
	—	114447-1-CELVI[2]	

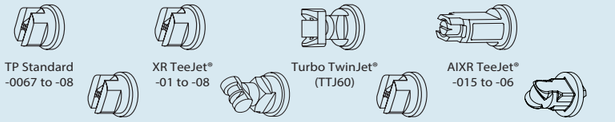
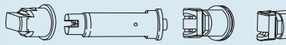
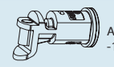
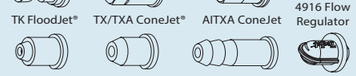
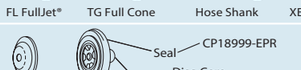
[2] These caps only available in black.

TeeJet®

QUICK TEEJET CAPS

1	2	3	4	5	6	7	8	9	10	11	12	13
Black	White	Red	Blue	Green	Yellow	Brown	Orange	Gray	Violet[3]	Lt. Blue[4]	Raspberry Red[5]	Lt. Green[5]

ORDERING INFORMATION

QUICK TEEJET CAPS	PART NUMBER: QUICK TEEJET CAP ONLY	PART NUMBER: QUICK TEEJET CAP & SEAT GASKET SET	FOR USE WITH FLAT SPRAY TIPS 300 PSI MAXIMUM PRESSURE
	CP114440A-*-CE	114441A-*-CELR 114441A-*-CELVI	**TeeJet® Flat Spray Tips (Smaller Capacities)** 
	CP25611-9-PP[1]	25612-9-PP[1]	
	CP25609-*-NY	25610-*-NYR	**TeeJet Flat Spray Tips (Larger Capacities)** 
	CP114442A-*-CE	114443A-*-CELR 114443A-*-CELVI	
	CP115834A-*-CE	1158535A-*-CELR 115835A-*-CELVI	
	CP114501A-*-CE[6]	114502A-*-CELR[6] 114502A-*-CELVI[6]	
	CP98578-1-NY[2]	98579-1-NYR[2]	
	CP25595-*-NY	25596-*-NYR	**TeeJet Flat Spray Tips (Smaller Capacities)** Tips can be positioned in choice of two spray plane directions—parallel or perpendicular to wings of Quick TeeJet cap.
	CP25599-*-NY	25600-*-NYR	
	CP114444A-*-CE	114445A-*-CELR 114445A-*-CELVI	
	CP25607-9-PP[1]	25608-9-PP[1]	
	CP25607-*-NY	—	

*Specify color code (see chart above).
[1] These caps only available in gray and rated to 150 PSI (10 bar).
[2] These caps only available in black.
[3] Color available in CP114440A, CP114442A and CP114444A caps.
[4] Color available in CP114440A, CP114442A and CP114501A caps.
[5] Color available in CP114501A and CP114440A caps.
[6] This cap offered in Black, White, Light Green, Light Blue and Raspberry Red only.

TEEJET® TECHNOLOGIES — TEEJET.COM

NEW

TIP BOSS

TIP/CAP MULTI-TOOL



Part#	QTY
TIPBOSS	1
TIPBOSS-10	10





TeeJet® FERTILIZER SPRAY TIP SELECTION GUIDE

SPRAY TIPS & DROPLET SIZE* (XF VF F M C VC XC UC)	HERBICIDES: SOIL APPLIED	HERBICIDES: POST-EMERGENCE CONTACT	HERBICIDES: POST-EMERGENCE SYSTEMIC	FUNGICIDES: CONTACT	FUNGICIDES: SYSTEMIC	INSECTICIDES: CONTACT	INSECTICIDES: SYSTEMIC
AccuPulse® TwinJet™ APTJ	EXCELLENT		EXCELLENT				
Turbo TeeJet® TT		EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD
AIXR TeeJet® AIXR	VERY GOOD	EXCELLENT	VERY GOOD	GOOD	VERY GOOD	VERY GOOD	EXCELLENT
Air Induction TeeJet® AI & AIC	VERY GOOD		EXCELLENT		GOOD		VERY GOOD
Turbo TeeJet® Induction TTI	EXCELLENT		EXCELLENT				
TTI TwinJet™ TTI60	EXCELLENT		EXCELLENT				
XR, XRC TeeJet® XR & XRC		VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD
TurboTwinJet® TTJ60	GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD
AI TurboTwinJet® AITTJ60	VERY GOOD	VERY GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
AI3070® AI3070				EXCELLENT	VERY GOOD		
StreamJet™ SJ3 & SJ3-VR							
StreamJet™ SJ7A & SJ7A-VR							
StreamJet™ PTC-VR & QJ-VR							
StreamJet™ SOLID STREAM							

FERTILIZER: BROADCAST	FERTILIZER: DIRECTED	DRIFT CONTROL	PWM APPROVED
EXCELLENT		EXCELLENT	✔
EXCELLENT		GOOD	✔
		VERY GOOD	
VERY GOOD		EXCELLENT	
EXCELLENT		EXCELLENT	✔
EXCELLENT		EXCELLENT	✔
		GOOD	✔
		VERY GOOD	✔
		EXCELLENT	✔
		VERY GOOD	
EXCELLENT		EXCELLENT	
EXCELLENT		EXCELLENT	
	EXCELLENT	EXCELLENT	
	EXCELLENT	EXCELLENT	

Note: Consult the chemical manufacturer's product label for specific rate and application recommendations. Droplet size categories shown are based on ISO 25358.
*(XF) Extremely Fine, (VF) Very Fine, (F) Fine, (M) Medium, (C) Coarse, (VC) Very Coarse, (XC) Extremely Coarse, (UC) Ultra Coarse

LIQUID FERTILIZER APPLICATION

Just as in applying crop protection products, the proper application of liquid fertilizer is important. Delivering nutrients to the crop in a timely and effective manner while minimizing crop damage is essential. TeeJet Technologies offers an extensive selection of spray tips specifically designed to maximize the performance of your liquid fertilizer application.

Solid stream nozzles, offered in both single and multiple-stream versions, are designed to deliver fertilizer to the soil surface where it can be effectively utilized by the crop. By creating solid liquid streams, these tips greatly reduce foliar coverage in standing crop in order to minimize leaf burn. TeeJet Technologies StreamJet tips provide the ideal blend of compact, reliable design, ease of installation and affordable pricing.

In some cases, the use of a broadcast nozzle for fertilizer application may be desirable. This could include combined fertilizer/pesticide applications, foliar feeding or broadcast liquid fertilization of bare ground. For these applications TeeJet Technologies offers a wide variety of low drift, flat spray tips.

LIQUID DENSITY CONVERSION

When selecting a specific capacity tip for liquid fertilizer application, always correct for liquid density. Application charts shown in this catalog are based on spraying water. Many fertilizer solutions are denser than water, which will affect the application rate. Please see page 185 for a list of density conversion factors.

EXAMPLE

Desired application rate is 20 GPA of 28% Nitrogen. Determine the correct nozzle size as follows:

GPA (liquid other than water) x Conversion Factor = GPA*

20 GPA (28%) x 1.13 = 22.6 GPA (water)

The applicator should choose a tip size that will supply 22.6 GPA of water at the desired pressure.

*From table in catalog.



TeeJet XP - BOOMJET | Boomless Flat Spray Nozzles

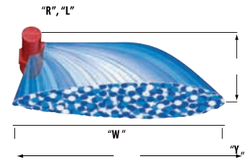


NPT or BSPT (male) threads for easy installation.

10 | 20 | 25 | 40 | 80

* Specify Opening Size Below

Nozzle Number	Material
1/4XP*R-VP	Acetal
1/2XP*R-VP	Acetal



"(B)"=BSPT

	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	SPRAY WIDTH "W" (FEET)		HEIGHT "Y" = 24"										HEIGHT "Y" = 36"									
						GPA FOR ONE NOZZLE						GALLONS PER 1000 SQ. FT.				GPA FOR ONE NOZZLE						GALLONS PER 1000 SQ. FT.			
				24" HEIGHT	36" HEIGHT	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
(B)1/4XP10R (B)1/4XP10L	20	UC	0.71	8.5	10.0	10.3	6.9	5.2	4.1	2.8	2.1	0.47	0.32	0.24	0.19	8.8	5.9	4.4	3.5	2.3	1.8	0.40	0.27	0.20	0.16
	30	UC	0.87	10.0	11.0	10.8	7.2	5.4	4.3	2.9	2.2	0.49	0.33	0.25	0.20	9.8	6.5	4.9	3.9	2.6	2.0	0.45	0.30	0.22	0.18
	40	UC	1.00	11.0	12.5	11.3	7.5	5.6	4.5	3.0	2.3	0.52	0.34	0.26	0.21	9.9	6.6	5.0	4.0	2.6	2.0	0.45	0.30	0.23	0.18
	50	UC	1.12	12.5	13.5	11.1	7.4	5.5	4.4	3.0	2.2	0.51	0.34	0.25	0.20	10.3	6.8	5.1	4.1	2.7	2.1	0.47	0.31	0.24	0.19
	60	UC	1.22	13.0	14.5	11.6	7.7	5.8	4.6	3.1	2.3	0.53	0.35	0.27	0.21	10.4	6.9	5.2	4.2	2.8	2.1	0.48	0.32	0.24	0.19
(B)1/4XP20R (B)1/4XP20L	20	UC	1.42	9.0	11.0	19.5	13.0	9.8	7.8	5.2	3.9	0.89	0.60	0.45	0.36	16.0	10.7	8.0	6.4	4.3	3.2	0.73	0.49	0.37	0.29
	30	UC	1.75	11.5	12.0	18.8	12.6	9.4	7.5	5.0	3.8	0.86	0.57	0.43	0.34	18.0	12.0	9.0	7.2	4.8	3.6	0.83	0.55	0.41	0.33
	40	UC	2.00	13.5	14.0	18.3	12.2	9.2	7.3	4.9	3.7	0.84	0.56	0.42	0.34	17.7	11.8	8.8	7.1	4.7	3.5	0.81	0.54	0.40	0.32
	50	UC	2.25	14.5	15.0	19.2	12.8	9.6	7.7	5.1	3.8	0.88	0.59	0.44	0.35	18.6	12.4	9.3	7.4	5.0	3.7	0.85	0.57	0.43	0.34
	60	UC	2.50	15.0	16.0	21	13.8	10.3	8.3	5.5	4.1	0.94	0.63	0.47	0.38	19.3	12.9	9.7	7.7	5.2	3.9	0.89	0.59	0.44	0.35
(B)1/4XP25R (B)1/4XP25L	20	UC	1.74	10.5	11.0	21	13.7	10.3	8.2	5.5	4.1	0.94	0.63	0.47	0.38	19.6	13.1	9.8	7.8	5.2	3.9	0.90	0.60	0.45	0.36
	30	UC	2.13	12.0	13.5	22	14.6	11.0	8.8	5.9	4.4	1.0	0.67	0.50	0.40	19.5	13.0	9.8	7.8	5.2	3.9	0.89	0.60	0.45	0.36
	40	UC	2.50	13.5	14.5	23	15.3	11.5	9.2	6.1	4.6	1.0	0.70	0.52	0.42	21	14.2	10.7	8.5	5.7	4.3	0.98	0.65	0.49	0.39
	50	UC	2.75	14.5	15.0	23	15.6	11.7	9.4	6.3	4.7	1.1	0.72	0.54	0.43	23	15.1	11.3	9.1	6.1	4.5	1.0	0.69	0.52	0.42
	60	UC	3.00	15.0	16.0	25	16.5	12.4	9.9	6.6	5.0	1.1	0.76	0.57	0.45	23	15.5	11.6	9.3	6.2	4.6	1.1	0.71	0.53	0.43
(B)1/2XP40R (B)1/2XP40L	20	UC	2.87	11.0	12.0	32	22	16.1	12.9	8.6	6.5	1.5	0.99	0.74	0.59	30	19.7	14.8	11.8	7.9	5.9	1.4	0.90	0.68	0.54
	30	UC	3.53	13.0	14.5	34	22	16.8	13.4	9.0	6.7	1.5	1.0	0.77	0.62	30	20	15.1	12.1	8.0	6.0	1.4	0.92	0.69	0.55
	40	UC	4.00	14.0	15.5	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65	32	21	16.0	12.8	8.5	6.4	1.5	0.97	0.73	0.58
	50	UC	4.55	15.0	16.0	38	25	18.8	15.0	10.0	7.5	1.7	1.1	0.86	0.69	35	23	17.6	14.1	9.4	7.0	1.6	1.1	0.81	0.64
	60	UC	5.00	16.0	17.5	39	26	19.3	15.5	10.3	7.7	1.8	1.2	0.89	0.71	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65
(B)1/2XP80R (B)1/2XP80L	20	UC	5.60	13.0	15.5	53	36	27	21	14.2	10.7	2.4	1.6	1.2	0.98	45	30	22	17.9	11.9	8.9	2.0	1.4	1.0	0.82
	30	UC	6.83	15.0	16.5	56	38	28	23	15.0	11.3	2.6	1.7	1.3	1.0	51	34	26	20	13.7	10.2	2.3	1.6	1.2	0.94
	40	UC	8.00	16.0	17.5	62	41	31	25	16.5	12.4	2.8	1.9	1.4	1.1	57	38	28	23	15.1	11.3	2.6	1.7	1.3	1.0
	50	UC	8.73	16.5	18.0	65	44	33	26	17.5	13.1	3.0	2.0	1.5	1.2	60	40	30	24	16.0	12.0	2.7	1.8	1.4	1.1
	60	UC	9.60	17.5	18.5	68	45	34	27	18.1	13.6	3.1	2.1	1.6	1.2	64	43	32	26	17.1	12.8	2.9	2.0	1.5	1.2

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). Application rates are identical for a two-tip setup. Swath width and flow capacity will be doubled for a two-tip setup.

BOOMJET | Boomless Nozzles



Type 5880 BoomJet nozzle is used for spraying areas not easily accessed with a boom sprayer. It combines two off-center tips and three VeeJet® nozzles to produce an overall wide swath flat spray. The nozzle assembly provides good distribution considering the wide pattern coverage obtained; however, the uniformity is not as good as with a properly operated boom sprayer.* Supplied with one additional 1/49 NPT pipe plug and one blank tip for setting BoomJet to one side only. Also has a 1/49 NPT pressure gauge port.

06 | 10 | 20 | 40

* Specify Opening Size Below

Nozzle Number	Material
5880-3/4-2TOC*	Brass

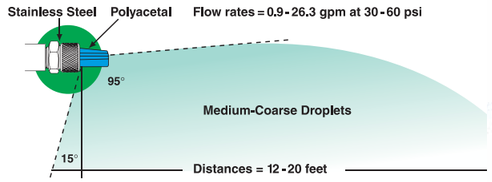
	(2)	(2)	(1)	PSI	GPM	"W" (FEET)	GPA					GALLONS PER 1000 SQ. FT.			
							4 MPH	5 MPH	7.5 MPH	10 MPH	15 MPH	2 MPH	3 MPH	4 MPH	5 MPH
5880-3/4-2TOC06	6733-OC06	H1/4VV-1506	H1/4VVL-9502 with 50 mesh strainer	20	1.84	33.5	6.8	5.4	3.6	2.7	1.8	0.31	0.21	0.16	0.12
				30	2.25	34	8.2	6.6	4.4	3.3	2.2	0.38	0.25	0.19	0.15
				40	2.60	34.5	9.3	7.5	5.0	3.7	2.5	0.43	0.28	0.21	0.17
5880-3/4-2TOC10	OC10	H1/4U-0508HE	H1/4VVL-11004 with 50 mesh strainer	20	2.83	39.5	8.9	7.1	4.7	3.5	2.4	0.41	0.27	0.20	0.16
				30	3.46	40	10.7	8.6	5.7	4.3	2.9	0.49	0.33	0.25	0.20
				40	4.00	40.5	12.2	9.8	6.5	4.9	3.3	0.56	0.37	0.28	0.22
5880-3/4-2TOC20	OC20	H1/4U-0520HE	H1/4VVL-9506 with 50 mesh strainer	20	6.08	47	16.0	12.8	8.5	6.4	4.3	0.73	0.49	0.37	0.29
				30	7.45	50	18.4	14.8	9.8	7.4	4.9	0.84	0.56	0.42	0.34
				40	8.60	52	20	16.4	10.9	8.2	5.5	0.94	0.62	0.47	0.37
5880-3/4-2TOC40	OC40	H1/4U-0540HE	H1/4U-9510	20	12.0	56	27	21	14.1	10.6	7.1	1.2	0.81	0.61	0.49
				30	14.7	60	30	24	16.2	12.1	8.1	1.4	0.93	0.69	0.56
				40	17.0	63	33	27	17.8	13.4	8.9	1.5	1.0	0.76	0.61

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).

HYPRO BOOMLESS SPRAY NOZZLES
XT - BOOM X TENDER | Boomless Spray Tips

The Boom X Tender® is a boomless spray nozzle that is ideal for applications where a conventional boom cannot be used due to obstacles such as, power poles, guardrails, fences, trees, etc.

Standard Pattern





Material

XT010F12 | XT020F17 | XT024F18 | XT043F20 | XT080F21

XT020GIOKIT*

* Specify Tip Size

Nozzle Size (MNPT)	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre at swath shown MPH 4	5	6	8	10	12	15	20	GAL/1000Ft² 2	3	4	5	Swath (Ft) at 40 PSI 48 in high
10 (1/4")	30	0.9	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16	13
	40	1.0	9.9	7.9	6.6	5.0	4.0	3.3	2.6	2.0	0.45	0.30	0.23	0.18	
	50	1.1	10.9	8.7	7.3	5.4	4.4	3.6	2.9	2.2	0.50	0.33	0.25	0.20	
	60	1.2	11.9	9.5	7.9	5.9	4.8	4.0	3.2	2.4	0.55	0.36	0.27	0.22	
15 (1/4")	30	1.3	10.9	8.7	7.3	5.4	4.4	3.6	2.9	2.2	0.53	0.35	0.26	0.21	14
	40	1.5	12.5	10.0	8.3	6.3	5.0	4.2	3.4	2.5	0.61	0.41	0.30	0.24	
	50	1.7	13.7	11.0	9.2	6.9	5.5	4.6	3.7	2.8	0.67	0.45	0.33	0.27	
	60	1.8	15.0	12.0	10.0	7.5	6.0	5.0	4.0	3.0	0.73	0.49	0.37	0.29	
20 (1/4")	30	1.7	13.6	10.9	9.0	6.8	5.4	4.5	3.6	2.7	0.62	0.42	0.31	0.25	15
	40	2.0	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2	0.73	0.49	0.37	0.29	
	50	2.2	17.6	14.1	11.7	8.8	7.0	5.9	4.7	3.5	0.81	0.54	0.40	0.32	
	60	2.4	19.2	15.3	12.8	9.6	7.7	6.4	5.1	3.8	0.88	0.59	0.44	0.35	
24 (1/4")	30	2.1	16.2	13.0	10.8	8.1	6.5	5.4	4.3	3.2	0.75	0.50	0.37	0.30	16
	40	2.4	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34	
	50	2.7	20.9	16.7	13.9	10.4	8.4	7.0	5.6	4.2	0.96	0.64	0.48	0.38	
	60	2.9	22.4	17.9	15.0	11.2	9.0	7.5	6.0	4.5	1.03	0.69	0.51	0.41	
43 (3/8")	30	3.7	31.6	25.3	21.1	15.8	12.6	10.5	8.4	6.3	1.45	0.97	0.72	0.58	14
	40	4.3	36.7	29.4	24.5	18.3	14.7	12.2	9.8	7.3	1.68	1.12	0.84	0.67	
	50	4.8	41.0	32.8	27.3	20.5	16.4	13.7	10.9	8.2	1.88	1.25	0.94	0.75	
	60	5.3	45.2	36.2	30.2	22.6	18.1	15.1	12.1	9.0	2.08	1.38	1.04	0.83	
80 (1/2")	30	6.9	68.3	54.6	45.5	34.2	27.3	22.8	18.2	13.7	3.14	2.09	1.57	1.25	13
	40	8.0	79.2	63.4	52.8	39.6	31.7	26.4	21.1	15.8	3.64	2.42	1.82	1.45	
	50	8.9	88.1	70.5	58.7	44.1	35.2	29.4	23.5	17.6	4.04	2.70	2.02	1.62	
	60	9.8	97.0	77.6	64.7	48.5	38.8	32.3	25.9	19.4	4.45	2.97	2.23	1.78	
167 (3/4")	30	14.5	128	103	85.4	64.1	51.3	42.7	34.2	25.6	5.88	3.92	2.94	2.35	15
	40	16.7	148	118	98.4	73.8	59.0	49.2	39.4	29.5	6.78	4.52	3.39	2.71	
	50	18.7	165	132	110	82.6	66.1	55.1	44.1	33.1	7.59	5.06	3.79	3.03	
	60	20.5	181	145	121	90.6	72.5	60.4	48.3	36.2	8.32	5.54	4.16	3.33	
215 (3/4")	30	18.6	144	115	95.9	71.9	57.5	48.0	38.4	28.8	6.60	4.40	3.30	2.64	16
	40	21.5	166	133	111	83.1	66.5	55.4	44.3	33.3	7.63	5.09	3.82	3.05	
	50	24.0	186	149	124	92.8	74.3	61.9	49.5	37.1	8.52	5.68	4.26	3.41	
	60	26.3	203	163	136	102	81.4	67.8	54.2	40.7	9.34	6.22	4.67	3.73	

Features	
Common Use	Weeds
Pattern	Boomless Fan
Technology	Pre-Orifice
Material	Stainless or Polyacetal
Spray Angle	105°
Pressure Range	30-60 PSI (2-5 BAR)
Configuration	MNPT & FastCap

BOOMINATOR® BOOMLESS SPRAY NOZZLES

BOOMINATOR BOOMLESS NOZZLES

Nozzle Number
UB1160L
UB1160R
UB1165L
UB1165R
UB1250L
UB1250R
UB1400L
UB1400R
UB1870L
UB1870R



1160 RIGHT or LEFT — (1/4" MNPT)

PSI	GPM	PATTERN	SPEED (MPH) 2	3	4	5	6	7
			GALLONS PER ACRE					
20	1.0	16 ft.	15.5	10	8	6	5	4.5
30	1.2	16 ft.	18.5	12.5	9	7.5	6	5.5
40	1.4	16 ft.	21.5	14.5	11	8.5	7	6

1165 RIGHT or LEFT — (1/4" MNPT)

PSI	GPM	PATTERN	SPEED (MPH) 2	3	4	5	6	7	8	9	10	11	12
			GALLONS PER ACRE										
20	1	5 ft.	49.5	33	24.5	20	16.5	14	12	11	10	9	8
30	1.2	5 ft.	59.5	39.5	30	23.5	20	17	15	13	12	11	10
40	1.4	5 ft.	69.5	46	34.5	27.5	23	20	17	15.5	14	12.5	11.5

1250 RIGHT or LEFT — (1/4" MNPT)

PSI	GPM	PATTERN	SPEED (MPH) 1	2	3	4	5	6	7
			GALLONS PER ACRE						
20	1.5	16 ft.	46	23	16	12	9	8	7
30	1.7	16 ft.	53	26	18	13	11	9	8
40	2.0	16 ft.	62	31	21	16	12	10	9

1400 RIGHT or LEFT — (1/4" MNPT)

PSI	GPM	PATTERN	SPEED (MPH) 2	3	4	5	6	7	8	9	10	11	12
			GALLONS PER ACRE										
20	1.7	17 ft.	25	17	12	10	8	7	6	5.5	5	4.5	4
30	2.0	17 ft.	30	19	15	12	10	8	7	6.5	6	5	4.5
40	2.5	17 ft.	36	24	18	15	12	10	9	8	7	6.5	6

1870 RIGHT or LEFT — (1/4" MNPT)

PSI	GPM	PATTERN	SPEED (MPH) 2	3	4	5	6	7	8	9	10	11	12
			GALLONS PER ACRE										
20	3.0	18 ft.	41	28	21	17	14	12	10	9	8	7.5	7
30	3.5	18 ft.	48	32	24	19	16	14	12	11	10	9	8
40	4.3	18 ft.	59	39	30	24	20	17	15	13	12	11	10

HYPRO BROADCAST SPRAY NOZZLES

ULD - ULTRA LOW DRIFT Low Drift 120°

The Ultra Lo-Drift™ is the ideal spray tip for use where drift reduction is paramount. The tip produces large air-filled droplets, which cut drift dramatically compared with a standard fan and conventional low-drift spray tips. Ideal for use with pre-emergence and broad spectrum products. 15-115 PSI



Nozzle Number	Material
ULD120*	Plastic
FCULD120*	Plastic

015 | 02 | 025 | 03 | 04 | 05

FCGA - FASTCAP GUARDIANAIR Air-Inducted 110°

GuardianAIR spray tips boost productivity, control, and profitability using a patented combination of innovations. They are air-inducted to reduce drift and boost on-target spray deposition, yet are tuned to provide more droplets per gallon than any comparable air inducted tip. Those coverage-boosting droplets are delivered at an optimized incline that provides more uniform coverage on the entire plant, front and back.



Nozzle Number	Material
FCGA110*	Plastic

015 | 02 | 025 | 03 | 035 | 04 | 05

F80 - FANTIP Flat Fan 80°

The FanTip is a general spray tip that produces a mixed droplet spectrum over the 30-60 PSI operational pressure range. It is good for applications of herbicides, fungicides, insecticides and plant growth regulators.



Nozzle Number	Material
F80-*	Plastic

01 | 015 | 02 | 03 | 04 | 05 | 06 | 08

HYPRO BROADCAST / BANDING SPRAY NOZZLES

DT - DEFLECTIP 80°-145°

The DeflecTip produces a wide angled even spray (80° to 145°) making it ideal for banding applications of pre and post-emergent herbicides. When selected as a medium spray, the DeflecTip is good for applying cereal fungicides.



Nozzle Number	Material
DT*	Plastic

.5 | .75 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 4.0 | 5.0 | 7.5

HYPRO SPRAY GUNS



3381-0010

Adjust "On the Fly" Spray Pattern

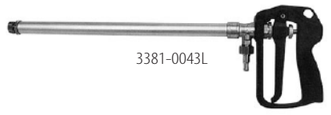


3381-0021

Part#	Length	Port (Npt)	Psi
3381-0010	17"	1/2" Inlet	1200
3381-0021	21"	3/8 & 1/2" Hose Barb	60
3381-0043	7 1/4"	3/8" & 1/2" Hose Barb	600
3381-0043L	18"	3/8" & 1/2" Hose Barb	600



3381-0043



3381-0043L

VALLEY INDUSTRIES SPRAY GUN

- Adjustable Spray Pattern
- Triggerlock for continuous spraying
- Ergonomic Stainless Steel Grip



Part#	Description	Psi
SG-PC-025	Jet Spray Gun	800

LAWN SPRAY GUNS TeeJet

- Interchangeable nozzle tips are color-coded for easy identification of tip size.
- Nozzle tips provide a 45° full cone "showerhead" spray pattern.
- Convenient trigger lock for continuous spraying.
- Maximum operating pressure of 200 PSI (14 bar).
- Made of Nylon with Viton® O-rings and stainless steel springs.

OPTIONS:

- Hose shank swivel for inlet connection
- Extension wand and adapters for low-volume and spot spraying.



CAPACITY (GPM) AT GIVEN PRESSURE

Model Number	Nozzle Tip Number	2 PSI	4 PSI	6 PSI	8 PSI	10 PSI	15 PSI	20 PSI
25660-1.5	CP25670-1.5-NY	1.4	1.9	2.3	2.6	2.9	3.4	4.0

GUNJET SPRAY GUNS



AA23L767618

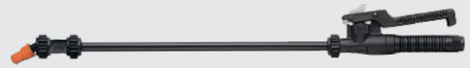
AA43L-AL10

Part#	Description
AA23L	GunJet without Extension
AA23L-7676-8	GunJet with 8" Extension
AA23L-7676-18	GunJet with 18" Extension
AA23L-7676-36	GunJet with 36" Extension
AA43LA-AL10	GunJet with 13" Aluminum Barrel
AA43L-AL10	GunJet with 22" Aluminum Barrel
11990-19	1/2" MPT x 1/2" FPT Brass Swivel

TRIGGERJET 22670

The 22670 TriggerJet kit combines the 22650 TriggerJet with an extension wand and maximum pressure rating of 150 PSI (10 bar).

- 22650 TriggerJet spray gun with choice of 1/4 or 3/8 Hose Shank and a 1/4 NPT or BSPT(F) thread inlet connection.
- Trigger lock continuous flow (optional).



Part#	Description
22670-PP-15	Gun with 15" Extension
22670-PP-24	Gun with 24" Extension

TRIGGERJET 50800

The 50800 TriggerJet spray gun is a lightweight spray gun designed for use with backpack, canister or other low pressure sprayers. The TriggerJet is made of molded polypropylene for excellent chemical resistance & durability.



50800-15-PP-406

Part#	Description
50800-15-PP-406	Gun with 15" Polypropylene Extension
50800-21-AL-406	Gun with 21" Aluminum Extension

CONEJET SPRAY TIPS

Body of tip rotates through a half turn to provide spray selection from a wide angle fine cone spray to a straight stream. Available in Brass or Polypropylene.



Part#
5500-X3
5500-PPB-X5*
5500-X8

OFFSET CONEJET SPRAY TIPS

- Provides adjustable spray from solid stream to a hollow cone pattern.
- Made of polypropylene material for excellent chemical resistance.
- Fits any 11/16–16 TeeJet® male thread bodies.
- 30° offset from horizontal incorporated into main tip body.



Part#
38720-PPB-X12
38720-PPB-X18
38720-PPB-X26

SPRAY CHART

				GALLONS PER ACRE – 20" SPACING							
			MPH	4	5	6	8	10	12	15	20
STRAINER MESH	TIP NUMBER	PSI	GPM/NOZZLE								
100	015 TIPS	15	0.092	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4
		20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6
		30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9
		40	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2
		50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5
		60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7
		80	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1
		100	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6
50	02 TIPS	15	0.12	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8
		20	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1
		30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5
		40	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0
		50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3
		60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6
		80	0.28	21.0	16.6	13.9	10.4	8.3	6.9	5.5	4.2
		100	0.32	24.0	19.0	15.8	11.9	9.5	7.9	6.3	4.8
50	025 TIPS	15	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2
		20	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7
		30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3
		40	0.25	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7
		50	0.28	21.0	16.6	13.9	10.4	8.3	6.9	5.5	4.2
		60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6
		80	0.35	26.0	21.0	17.3	13.0	10.4	8.7	6.9	5.2
		100	0.40	30.0	24.0	19.8	14.9	11.9	9.9	7.9	5.9
50	03 TIPS	15	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7
		20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1
		30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9
		40	0.30	22.0	17.8	14.9	11.1	8.9	7.4	5.9	4.5
		50	0.34	25.0	20.0	16.8	12.6	10.1	8.4	6.7	5.0
		60	0.37	27.0	22.0	18.3	13.7	11.0	9.2	7.3	5.5
		80	0.42	31.0	25.0	21.0	15.6	12.5	10.4	8.3	6.2
		100	0.47	35.0	28.0	23.0	17.4	14.0	11.6	9.3	7.0
50	04 TIPS	15	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6
		20	0.28	21.0	16.6	13.9	10.4	8.3	6.9	5.5	4.2
		30	0.35	26.0	21.0	17.3	13.0	10.4	8.7	6.9	5.2
		40	0.40	30.0	24.0	19.8	14.9	11.9	9.9	7.9	5.9
		50	0.45	33.0	27.0	22.0	16.7	13.4	11.1	8.9	6.7
		60	0.49	36.0	29.0	24.0	18.2	14.6	12.1	9.7	7.3
		80	0.57	42.0	34.0	28.0	21.0	16.9	14.1	11.3	8.5
		100	0.63	47.0	37.0	31.0	23.0	18.7	15.6	12.5	9.4
50	05 TIPS	15	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6
		20	0.35	26.0	21.0	17.3	13.0	10.4	8.7	6.9	5.2
		30	0.43	32.0	26.0	21.0	16.0	12.8	10.6	8.5	6.4
		40	0.50	37.0	30.0	25.0	18.6	14.9	12.4	9.9	7.4
		50	0.56	42.0	33.0	28.0	21.0	16.6	13.9	11.1	8.3
		60	0.61	45.0	36.0	30.0	23.0	18.1	15.1	12.1	9.1
		80	0.71	53.0	42.0	35.0	26.0	21.0	17.6	14.1	10.5
		100	0.79	59.0	47.0	39.0	29.0	23.0	19.6	15.6	11.7
50	06 TIPS	15	0.37	27.0	22.0	18.3	13.7	11.0	9.2	7.3	5.5
		20	0.42	31.0	25.0	21.0	15.6	12.5	10.4	8.3	6.2
		30	0.52	39.0	31.0	26.0	19.3	15.4	12.9	10.3	7.7
		40	0.60	45.0	36.0	30.0	22.0	17.8	14.9	11.9	8.9
		50	0.67	50.0	40.0	33.0	25.0	19.9	16.6	13.9	9.9
		60	0.73	54.0	43.0	36.0	27.0	22.0	18.1	14.5	10.8
		80	0.85	63.0	50.0	42.0	32.0	25.0	21.0	16.8	12.6
		100	0.95	71.0	56.0	47.0	35.0	28.0	24.0	18.8	14.1



REGULATING/RELIEF VALVES

Part#	Description	PSI
AA110-1/4	Brass Pressure Relief	150
AA110-3/8	Brass Pressure Relief	150
AA110-1-DI	Ductile Iron Pressure Relief	150
8460-1/2	Nylon Pressure Relief	50
8460-3/4	Nylon Pressure Relief	50
23120PP34	PP Pressure Relief	150
23520-3/4-PP	PP Throttling Valve	150



244 ELECTRIC REGULATING BUTTERFLY VALVE

- 2-Wire Lead Provides Easy Installation with 12 Volt Systems
- Easy Installation(flows either direction)
- Flow Rate - 28 GPM

Part#	Description	PSI
35-50029	244C Regulating Valve, 3/4"	100



344 ELECTRIC REGULATING BALL VALVES

- 2-Wire Lead Provides Easy Installation with 12 Volt Systems
- Low Power Consumption (<1 Amp)

Part#	Description
35-02116	3/4" NPT Regulating Valve, 2 Way, 27 GPM
344BRL-2F-03CCS	1" Flanged Regulating Valve 344BRL, 3 RPM 6SEC RL Reg

BOOM COMPONENTS

BANJO ELECTRIC BALL VALVES


MEV100CF


LEV050

Part#	Description
LEV050	1/2" FPT Electric Valve
MLEV100	1" Electric Manifold Valve
MLEV100A	1/2" MLEV with M100 1" Manifold Electric Valve, 3 Wire. SS Ball, High Torque
MEV100CF	1" Full Port Banjo Electric Ball Valve
EV3300	3/4 Second 3 Wire Motor Assembly

TEEJET ELECTRIC BALL VALVES



430 SERIES 2-WAY MANIFOLD VALVES

- 0.6 Second Shut-off Time
- Built-In Mini DIN Connection
- All Metal Gear Train with SS Ball and Stem
- Max PSI - 215 / 16.5 Max GPM

Part#	Description
431EC-2-D	Single 430 Series 2-Way Ball Valve
58445	430 EC REPL Motor
58480EC-05	3 wire .5 meter Mini-Din Adapter Cable



344 SERIES 3-WAY MANIFOLD VALVES

Part#	Description
344BEC-3F-C	Electric 3-Way Ball Valve 1" Flanged Ends



450 SERIES MANIFOLD SHUT-OFF VALVES

- 1 to 5-Bank Manifolds Available
- Max PSI 200
- Threaded or Flange Fittings
- 22 RPM - 0.7 Sec. Shut-off
- 453 Flowback Ball Valve has Instant Shut-off Automatic Boom Section Control

Part#	Description
451BEC-2F-CVX	Single Manifold
453BEC-2F-CVX	3-Bank Manifold
451BEC-3FBF-CVX	Single Flowback Manifold
453BEC-3FBF-CVX	3-Bank Flowback Manifold
50515-22CP05	TeeJet Ball Valve Motor

KZ VALVES



Part#	Description
C2D37-10DKO-B01	Valve - Actuated, EH7, Tx2-1/2"
C2D37	Valve Assy - TX 1/2" 2-Way,(Bottom Half M100 Flange, SS Stem & Ball)
10DKO-P01	Ball Valve Motor .05 SEC 12V (Top Half of C2D37-10DKO-B01)
106-0014	KZ Retainer, Hairpin, Nylong, EH7 ACT/Valve

MANUAL CONTROL VALVES



AA6B MANUAL CONTROL VALVE

- All Corrosion Resistant Parts
- Max PSI 150
- 12 GPM flow - only 5 PSI Pressure Drop
- 1/4" NPT Gauge Port

Part#	Description
AA6B	Manual Control Valve



AA17Y MANUAL CONTROL VALVE

- 300 PSI Max
- Control any combination of up to 3 Boom Sections
- Corrosion Resistant Aluminum with SS and Plastic Internal Parts

Part#	Description
AA17Y	Manual Control Valve



AA144A SOLENOID VALVES

- Stainless Steel Parts for Corrosion Resistance
- 10 GPM flow - only 5 PSI Pressure Drop
- EPDM Diaphragms Standard (Viton Optional)
- 3/4" Inlet / 1/2" Outlet

Part#
AA144A-1



AA144F SOLENOID VALVE

- 8 GPM flow - only 5 PSI Pressure Drop
- Pressure Range 0-50 PSI
- Brass Internal Metal Parts,
- SS Fasteners
- Zinc-plated External Metal Parts

Part#
AA144F-1-3



AA144P SOLENOID VALVES

- Stainless Steel Wet Parts for Corrosion Resistance
- Poly Body for Chemical Resistance
- No Stroke Adjustment required
- Corrosion Resistant 430SS Solenoid grade armature and armature stop.
- Encapsulated coil and magnetic circuit
- 3/4" Inlet / 1/2" Outlet

Part#
AA144P1



2504B SOLENOID VALVE

- 12V DC Operation
- 1/2" FNPT Inlet / (2) 1/2" FNPT Outlets
- Glass-filled Nylon Valve Housing with SS Wet Parts
- Epoxy-Encapsulated Coils with Weatherpack Connector
- 2 GPM @ 75 PSI

Part#
2504B

SPRAYER VALVES & CONTROLS



- Sprayer Control System with 6 Ft. Harness, Liquid-filled Pressure Gauge, Pressure Regulator, 1999A Solenoid Valves and 1990 Valve Mounting Bracket

Part#	Description
1541A	Regulating Valve for B2040
TR2690	Kit-Elec Control for Motorized Boom Valves 1 Section 1541A Regulating Valve, 100 PSI Guage



1999A SOLENOID VALVE

- 1" FNPT Inlet / 1" MNPT Outlet
- 12V DC Operation
- 3/4" FNPT Boom Line
- 18 GPM @ 175 PSI

Part#	Description
1999A1	Single Solenoid
1999A2	Double Solenoid
1999A3	Triple Solenoid

REPAIR KITS FOR 1999A SOLENOID

Part#	Description
2517	1999A Solenoid Valve Kit (Viton)
2518	1999A Solenoid Valve Kit (AFLAS)
2515	1999A Coil Assembly



2201A SOLENOID VALVE

- 12V DC Operation
- 1/4" FNPT Inlet and Outlet
- Glass-filled Nylon Valve Housing with SS Wet Parts
- Epoxy-Encapsulated Coils with Weatherpack Connector
- 1 GPM @ 125 PSI

Part#
2201A

TEEJET GPS GUIDANCE & AUTOSTEER SYSTEMS

- RealView Guidance over Video
- Droplet Size Monitoring
- Advanced Swath and Rate Control Capabilities



Matrix 430

Part#	Description
GD430-GLO-P-L	Matrix 430 Kit, GLONASS, Patch Antenna, Lighter Connector
90-02720	RXA-30 Antenna with 20' Cable
78-50190	Patch Antenna Replacement





REALVIEW GUIDANCE OVER VIDEO



BE AWARE OF MORE BY SPLITTING THE SCREEN TO FOUR CAMERAS



DROPLET SIZE MONITOR FUNCTION



REALVIEW CAMERAS CAN BE EASILY MOUNTED ANYWHERE

744A SPRAYER CONTROLLER

- Manual spray controller in a compact package
- Lighted pressure gauge for night use
- Heavy duty switches with LED indicators
- Choice of dry or liquid-filled 100 PSI(7 bar) or 300 PSI(20 bar)
- Variety of kit forms using solenoid/ball control valves available



Part#	Description
90-50149	744 Core Kit/Cables/3 Switch
90-50163	744 Kit Complete (Console, Solenoid Valves, Regulating Valve)
90-02439-UX	Kit, 744A, Boom 100 PSI, Ball Valve Harness Weatherpack

CABLES & PARTS

Part#	Description
45-10106-UX	21' Harness, 5 Section Ball Valves, 4 Term. Weatherpack
90-50230	801 Flowmeter, 1" HB, 2.5-60 GPM
57-10122	802 Flowmeter, 75 Series Flange, 3-130 GPM
16-40004	Proximity Speed Sensor
45-20042	Speed Cable, 844E-Dickey John

GPS SPEED SENSOR



- GPS receiver measures true ground speed & delivers a signal compatible with most monitors.
- Eliminates problems with radar speed sensors on wet surfaces, moving crops, and vehicle vibration.
- Speed range 5. to 80+ MPH / 1 to 130 km/h

Part#	Description
90-02386	GPS Speed Sensor-844E
90-02404	GPS Speed Spensor-Raven

MICRO-TRAK® SYSTEMS, INC.

MICRO-TRAK TURBINE TYPE FLOW METERS

- Connect wide range of flowmeters to any major brand control system to enjoy superior performance and accuracy
- Precisely monitors flow of valuable liquids and NH3
- Up to 2X the working life compared to other brands



FM270

Part#	Description
0151-P A	FM270 2" Flange 3.5-70 GPM 225 PSI Max

SERVO VALVES

- Fast acting servo valves ideally suited for responsive rate changes, and accurate control



19097

Part#	Description
19096	Servo Valve, M200 Flanged or 1 1/2" FPT, 1" Butterfly, Viton O-Rings, 150 PSI
19097	Servo Valve, M200 Flanged or 1 1/2" FPT, 1.5" Butterfly, Viton O-Rings, 150 PSI, M200
16129 A	Servo Valve - M200 Flanged or 1-1/2" FPT with 1" Butterfly, Raven, 2 Pin Molded
16130 A	Servo Valve - M200 Flanged or 1-1/2" FPT with 1-1/2" Butterfly, Raven, 2 Pin Molded

SPRAYMATE II

- The SprayMate II features a compact design built in controls for up to 3 separate boom sections. It controls application rates precisely, regardless of changing field conditions



Part#	Description
01341	SprayMate II-Self Contained with built-in Controls for up to 3 Boom Sections

ASTRO II GPS SPEED SENSORS

- Highly accurate and affordable replacement for magnetic wheel speed sensors or radar guns. Connects with ease to most brands of monitors and controllers.



Part#	Description
01410	Astro Series GPS Speed Sensors

CABLES & PARTS

Part#	Description
19906	Adapts a Raven Speed Sensor to a Micro-Trak Controller
18664	Adapts a Raven Flowmeter to a Micro-Trak Controller. This adapter is used with Raven Flowmeters made after 2012
17442	Micro-Trak Flow Sensor with a Raven style Conxall connector. Can be used with all Micro-Trak Turbine type Flowmeters to connect to a Raven Controller
17324	Adapts a Micro-Trak Servo Valve to a Raven Controller
14611	Adapts a Raven Flowmeter to a Micro-Trak Controller when +5VDC is required to power the Raven flow sensor. (Required for Raven Flowmeters made before 2012)
17325	Adapts a Micro-Trak Flowmeter to a Raven Controller
17528	Adapts a Raven Servo to a Micro-Trak Controller
19905	Adapts a Raven "Fast Valve" to a Micro-Trak Controller
14315	Power Cable
14313	Boom/Servo/Flow Harness
14316	120" 10-Pin Extension Cable
13221	Extension Cable 10 Pin MP 150, 10'

RAVEN



SCS 450 FEATURES

- One-Product Capability (Liquid, NH3)
- 6 Boom Switches
- Capable of Direct Injection when used with Sidekick

RAVEN SCS SPRAY CONSOLE CONSOLES

- Simple operation
- Low-limit function
- Digital boom pressure read-out
- Supports a variety of Flow Meters and Control Valves
- Audible alarms
- Self-test function
- Rate bump features

CONSOLE

Part#	Description
1-063-0171-220	SCS 450 Console (6 Boom)

CABLES

New Part#	Description
1-115-0171-085	Console Cable 10'
1-115-0159-856	Extension Cable 12', 7 Boom
1-115-0159-857	Extension Cable 24', 7 Boom
1-115-0171-086	Flow Cable 6', 6 Boom, 3-Pin Weatherpack
1-115-0171-055	Flow Cable 12', 6 Boom, 3-Pin Weatherpack



1-063-0172-125

REGULATING VALVES

Part#	Description
1-063-0172-125	Control Valve, 1", Poly Flanged Butterfly
1-063-0171-894	Control Valve, 1 1/2", Poly Flanged Butterfly



1-063-0172-058

RFM FLOW METERS

New Part#	Description
1-063-0172-058	MF270 LF Flow Meter Kit
1-063-0171-985	RFM 60P High Pulse (1-60 GPM) M200 Flange
1-063-0173-578	RFM 100P High Pulse (5-100 GPM) M220 Flange
1-063-0173-579	RFM 200P High Pulse (15-200 GPM) M300 Flange

PRESSURE SENSORS

Part#	Description
AKSCP-030	Pressure Sensor for 12V John Blue Controller 2nd Gen
1-422-0000-090	Raven Pressure Transducer 0-250 PSI

RAVEN

SCS 450 LIQUID CONTROL SYSTEM

