P.O. BOX 776 • LORIS, SC 29569 • (843) 756-4200

Manufacturers of Better Farm Equipment

"Quality Products & Service Since 1955"

OWNER'S & OPERATOR'S MANUAL

"DO NOT USE OR OPERATE SPRAYING EQUIPMENT UNTIL THIS MANUAL AND INSTRUCTIONS HAVE BEEN READ AND UNDERSTOOD."

Burroughs Sprayer Mfg.

The purpose of this manual is to assist the operator in the operation of Burroughs Sprayer Mfg. spraying products.

We urge the operator to read and follow the recommendations in this manual prior to operating any Spraying Equipment.

Burroughs Sprayer Mfg. would like to thank you, the customer, for purchasing our product. Our company has been manufacturing "Quality Products Since 1955."

OPERATOR SAFETY PRECAUTIONS

"Do Not Allow Anyone To Operate This Equipment Who Has Not Been Properly Trained In Its Safe Operations."

Before installing Spray Equipment onto Tractor or Vehicle the Operator should:

I. Be thoroughly familiar with spraying equipment and the operation of this equipment before turning it on.

II. Be sure safety shields, guards, chains, and warning labels are in working order and in place.

III. Turn off Tractor or vehicle and remove key before servicing equipment.

IV. Read instructions on chemicals being used and ask your chemical dealer on proper use and safety with such chemicals in your spraying equipment.

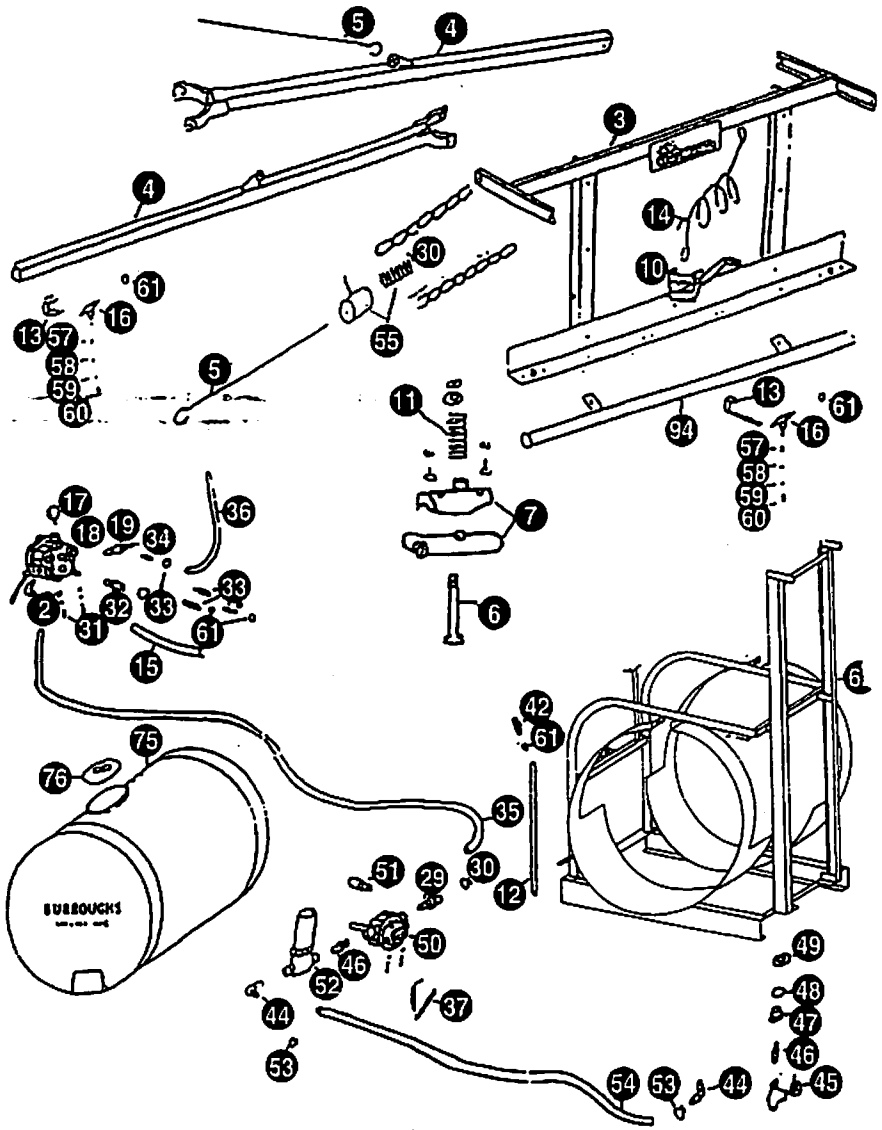
V. Be sure Booms are in transport position when traveling roads.

VI. Be sure safety signs are mounted and are visible.

***Always Think... The Safe Way Is The Best Way.**

Examples of Similar Parts

Key No. Parts Burroughs Model T1105



KEY NO.	DESCRIPTION
No. 2	3/4 x 3/4 E11 Adapter Nylon
No. 3	Cross Section
No. 4	Left or Right Spray Booms
No. 5	Hook for Boom
No. 6	Bolt
No. 7	Casting Boom Hinges
No. 10	Hand Winch
No. 11	Boom Spring
No. 12	Adj. Pipe - For Mixer
No. 13	QJ-111-1-1/2 Sq Brackets
No. 14	Cable
No. 15	3/8" I.D. Rubber Hose
No. 16	QJ 3/8 Nylon Nozzles-Single Double
No. 17	Pressure Gauge
No. 18	AA 17-L Control
No. 19	8460- 3/4 Nylon Relief Valve
No. 29	3/4" x 3/4" Nylon Adapter
No. 30	#12 Hose Clamp
No. 31	5/16" x 1" Bolt and Nut
No. 32	3/4" x 3/8" Adapter
No. 33	3/4" x 3/8" Adapter
No. 34	3/4" x 3/4" Adapter
No. 35	3/4" Hose I.D.
No. 36	3/4" Clear Hose I.D.
No. 37	Chain
No. 42	Rigid Female NPT 1/4" x 3/8"

KEY NO.	DESCRIPTION
No. 44	3/4" x 1" ELL Adapter
No. 45	1" Banjo Cut Off Valve
No. 46	1" x 1-1/4" Reduce Nipple
No. 47	1-1/4" Tank Fitting
No. 48	Gasket
No. 49	Nut
No. 50	C7560 Hypro Pump
No. 51	Standard Pump Adapter
No. 52	3/4" Line Strainer
No. 53	#16 Hose Clamp
No. 54	1" Hose I.D.
No. 55	Spring With Chain And Metal Holder
No. 57	Slotted Strainer
No. 58	No. 25 Core
No. 59	D-3 Disc
No. 60	QJ Cap & Gasket
No. 61	6203 Hose Clamp
No. 62	110 Gallon Frame
No. 75	110 Gallon Tank
No. 76	10" Lid
No. 94	5th Middle Row

SET UP / INSTALLATION

I. Mount sprayer to Tractor Hitching Device with retainers to prevent accidental unhitching.

II. Refer to Chart of Formulas to determine Gallons Per Ace for your requirement and Tractor Speed and R.P.M.

(Example: spraying clear water, nozzle spacing 20" apart, 8004 tips, 4 M.P.H., 30 PSI will spray 26 gallons per acre.)

III. Fill tank half-full with clean water strained through a 100 mesh screen, most well water contains sand and water from lakes, rivers, or ditches will most always contain some sand or debris.

IV. Be sure cut-off valve is open under tank.

V. Install pump properly on the PTO shaft with chains and safety guard shields in place.

VI. Turn T-Handle on Pressure Relief Valve counter-clockwise 5 or 6 times in order to set desired pressure before starting pump.

VII. Start tractor and set RPM at speed you have determined for tractor speed for spraying.

VIII. Turn Tee Valve Handle to selected setting of Booms. Lever is raised for spraying to start. Lever is lowered for spraying to stop. Raise lever and engage PTO on tractor.

SET UP / INSTALLATION (CONTINUED)

IX. With Tee Valve lever raised, turn relief valve T-handle clockwise to increase required pressure for Spraying.

X. Ask your chemical supplier for the amount(s) of chemical(s) to use per gallon of water, etc.

XI. Ask your chemical supplier about regulations and requirements of gloves, chemical masks, clothing and other accessories that should be worn or used when using chemicals.

Trouble Shooting

This section is a condensed chart to help you if unsatisfactory operation occurs.

1) Identify the "Symptom" that best applies
2) Check the "Possible Cause"
3) Perform the recommended "Remedy"

If you are unable to determine and correct the trouble, consult your authorized dealer.

A. Spraying operation

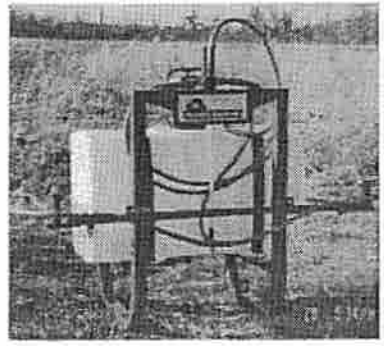
SYMPTOM	POSSIBLE CAUSE	REMEDY
Pressure gauge won't read.	Trash in end. Broken gauge.	Check gauge. Clean by using air hose or replace as required.
Good pressure cut off, no pressure cut on.	Intake hose soft inside. Crimp in hose. Clogged strainer. Trash drawing over outlet fitting inside tank.	Replace hose. Clean or replace strainer. Clean out tank, check outlet hole for trash. Clean fittings.
Spraying stops.	Trash drawing over outlet fitting inside tank.	Clean out tank, check outlet hole for trash clean.
Pumps good water but no pressure.	Defective relief valve spring. Defective pressure gauge. Defective agitator in tank.	Replace relief valve spring kit or relief valve. Replace gauge. Replace agitator.
Pressure doesn't change.	Defective relief valve. Defective pressure gauge.	Replace spring kit or relief valve. Replace pressure gauge.

A. SPRAYING OPERATION (cont'd)

SYMPTOM	POSSIBLE CAUSE	REMEDY
No pressure	Defective relief valve. Defective pressure gauge. Defective agitator in tank. Defective pump.	Repair or replace relief valve. Replace pressure gauge. Replace agitator in tank. Repair or replace pump.
Booms sprays when cut off	Damaged control valve inside. Trash inside control	Repair or replace control valve. Clean out trash.
Water coming out of pump end of shaft end	Defective seals.	Replace seals and check bearings and replace if needed.
Water leaking at front of Tee Valve Control	Damaged packing glands	Replace with repair kit or replace Tee Valve.
Water leaking at large nut at tank fitting	Worn O-ring	Replace gasket and check tank for cracks.
Sprayer has good pressure but won't spray	Intake line clogged. Strainer clogged inside tank.	Clean hoses, strainer, and/or tank. Lift tee valve lever to "on" position.

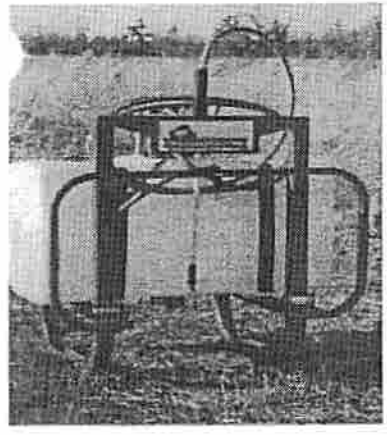
THE SPORTSMAN - AG SERIES

"Ideal for mini farms, vegetable farms, hunters, turf, orchards, landscapers, and golf courses."



SPORTSMAN AG-50

OEM Heavy Duty 50 gal. PCO Tank
Breakaway Booms with
Quick TeeJet Nozzles
Made from Heavy Duty 2" sq. tubing
C6500 HYPRO Pump with coupler
6B1 TeeJet control
Mixer, strainer, and cutoff
TeeJet handgun with Goodyear hose
160" coverage
Four Turbo Floodjet Tips
Backport Pressure Gauge

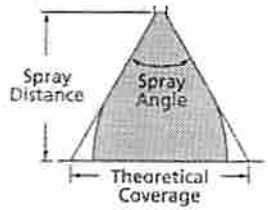


SPORTSMAN AG-5020

OEM Heavy Duty 50 Gal. PCO Tank
Made from Heavy Duty 2" sq. tubing
C6500 HYPRO pump with coupler
6B1 TeeJet control
Mixer, strainer, and cutoff
TeeJet Handgun with Goodyear hose
20 ft. coverage
1/4 - KLC-18 Fieldjet Boomless Nozzle
Backport Pressure Gauge

Spray Coverage Information

This table lists the theoretical coverage of spray patterns as calculated from the included spray angle of the spray and the distance from the nozzle orifice. These values are based on the assumption that the spray angle remains the same throughout entire spray distance. In actual practice, the tabulated spray angle does not hold for long spray distances.



Included Spray Angle	Theoretical Coverage at Various Spray Heights (in Inches)							
	8"	10"	12"	15"	18"	24"	30"	36"
15°	2.1	2.6	3.2	3.9	4.7	6.3	7.9	9.5
20°	2.8	3.5	4.2	5.3	6.4	8.5	10.6	12.7
25°	3.5	4.4	5.3	6.6	8.0	10.6	13.3	15.9
30°	4.3	5.4	6.4	8.1	9.7	12.8	16.1	19.3
35°	5.0	6.3	7.6	9.5	11.3	15.5	18.9	22.7
40°	5.8	7.3	8.7	10.9	13.1	17.5	21.8	26.2
45°	6.6	8.3	9.9	12.4	14.9	19.9	24.8	29.8
50°	7.5	9.3	11.2	14.0	16.8	22.4	28.0	33.6
55°	8.3	10.3	12.5	15.6	18.7	25.0	31.2	37.5
60°	9.2	11.5	13.8	17.3	20.6	27.7	34.6	41.6
65°	10.2	12.7	15.3	19.2	22.9	30.5	38.2	45.8
73°	11.8	14.8	17.8	22.0	27.0	36.0	44.0	53.0
80°	13.4	16.8	20.2	25.2	30.3	40.3	50.4	60.4
85°	14.7	18.3	22.0	27.5	33.0	44.0	55.4	66.4
90°	16.0	20.0	24.0	30.0	36.0	48.0	60.0	72.0
95°	17.5	21.8	26.2	32.8	40.3	52.4	65.5	78.6
100°	19.1	23.8	28.6	35.8	43.0	57.2	71.6	85.9
110°	22.8	28.5	34.3	42.8	51.4	68.5	85.6	103
120°	27.7	34.6	41.6	52.0	62.4	83.2	104	
130°	34.3	42.9	51.5	64.4	77.3	103		
140°	43.8	54.8	65.7	82.2	98.6			
150°	59.6	74.5	89.5					

Miscellaneous Conversion Factors

One Acre = 43,560 square feet
= 43.56 1000 FT² blocks
= 0.405 Hectares

One Hectare = 2.471 Acres

One Gallon Per Acre
= 2.9 Fluid Ounces per 1000FT²
= 9.35 Liters Per Hectare

One Gallon Per 1000FT² = 43.56 GPA

One Mile = 5,280 Feet
= 1,610 Meters
= 1.61 Kilometers

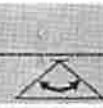
One Gallon = 128 Fluid Ounces
= 8 Pints
= 4 Quarts
= 3.79 Liters
= 0.83 Imperial Gallons

One Pound Per Square Inch
= 0.069 bar
= 6.896 Kilopascal

One Mile Per Hour = 1.609 Kilometers Per Hour

Suggested Minimum Spray Heights

The nozzle height suggestions in the table below are based on the minimum overlap required to obtain uniform distribution. However, in many cases, typical height adjustments are based on a 1 to 1 nozzle spacing to height ratio. For example, 110° flat spray tips spaced 20 inches apart, are commonly set 20 inches above the target.

	(inches)			
		20"	30"	40"
TeeJet® Standard, TJ	65°	22-24"	33-35"	NR*
TeeJet, XR, TX, DG, TJ	80°	17-19"	26-28"	NR*
TeeJet, XR, DG, TT, TJ, AI	110°	16-18"	20-22"	NR*
FullJet®	120°	10-18"**	14-18"**	14-18"**
FloodJet® TK, TF	120°	14-16"***	15-17"***	18-20"***

* *Not recommended.*

** *Nozzle height based on 30° to 45° angle of orientation (see page 24 of catalog).*

*** *Wide angle spray tip height is influenced by nozzle orientation. The critical factor is to achieve a double spray pattern overlap.*

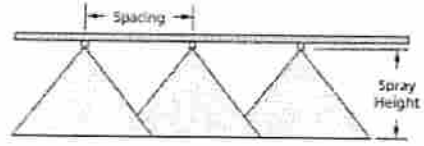
XRC TeeJet™ Extended Range Flat Spray Tips

Typical Application:

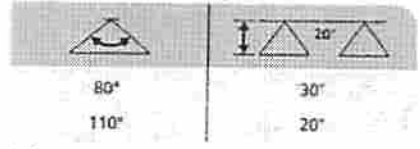
See selection guide on pages 2 and 6 for recommended typical application for XRC TeeJet.

Features:

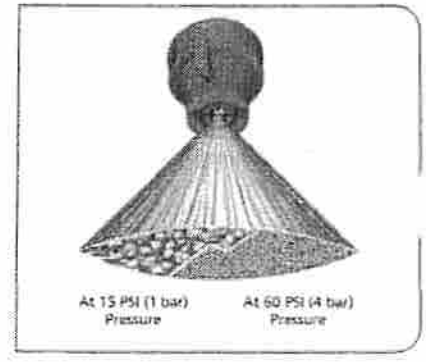
- Excellent spray distribution over a wide range of pressures—15–60 PSI (1–4 bar).
- Ideal for rigs equipped with sprayer controllers.
- Reduces drift at lower pressures, better coverage at higher pressures.
- 80° available in stainless steel (015, 02, 03–06 capacities) and ceramic (02, 03–08 capacities).
- 110° available in stainless steel (025–05 capacities), ceramic (02–08 capacities) and polymer (025–06 capacities).
- XR TeeJet tip molded into Quick TeeJet® cap provides automatic spray alignment.
- Includes tightly fitting washer that stays put and assures a good seal.



Optimum Spray Height



Reference technical section page 153 for more information.



How to order:

Specify tip number.
Examples:

XRC11004-VS	–	Stainless Steel with VisiFlo® color-coding
XRC11004-VP	–	Polymer with VisiFlo color-coding
XRC11004-VK	–	Ceramic with VisiFlo color-coding

NOTE:

Standard on Burroughs Full Coverage Sprayers - XRC - 11004
Standard on Burroughs Nitrogen Ground Drive Sprayers - XRC - 11008

	PSI	CAPACITY ONE NOZZLE GPM	CAPACITY ONE NOZZLE OZ./MIN.	20° GPA 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
XRC8001.5 (10)	15	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13
	20	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
	30	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.5	1.9	0.44	0.29	0.22	0.18
	40	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
XRC8002 XRC11002 (50)	15	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	20	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	30	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	40	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
XRC11025 (50)	15	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	20	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	30	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	40	0.25	32	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	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	60	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
XRC8003 XRC11003 (50)	15	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	20	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	30	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	40	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
XRC8004 XRC11004 (50)	15	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	20	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	30	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	40	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
XRC8005 XRC11005 (50)	15	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	20	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	30	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	40	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
XRC8006 XRC11006 (50)	15	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	20	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	30	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	40	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
	60	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
XRC8008 XRC11008 (50)	15	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
	20	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	30	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	40	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
	50	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
	60	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3

Turbo FloodJet® *Wide Angle Flat Spray Tips*

Typical Applications:

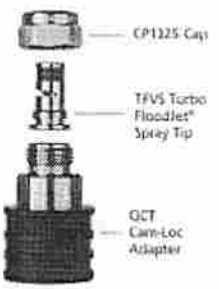
See selection guide on pages 2, 6 and 8 for recommended typical applications for Turbo FloodJet.

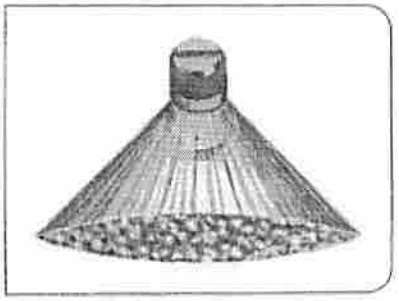
Features:

- Excellent spray distribution for uniform coverage along the boom.
- Nozzle design incorporates a pre-orifice to produce larger droplets for less drift.
- Large, round orifice reduces clogging.
- Stainless steel or polymer with VisiFlo® color-coding band for easy size identification.
- Can be used with CP25599-*-NY Quick TeeJet® cap for automatic alignment. Reference page 57 for more information.

QCT Cam-Loc Adapter

- Provides easy changeover from high capacity to lower capacity nozzles.
- Adapter fits standard ¾" quick connect Cam-Loc holders.
- Corrosion-resistant stainless steel and polypropylene construction.
- Rated up to 100 PSI (7 bar).
- Use QJT-NYB to retrofit to Quick TeeJet.





	PSI	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ./MIN.	40° GPA								20° GALLONS PER 1000 SQ. FT.			
				4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
TF-12 (50)	10	0.20	26	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.68	0.45	0.34	0.27
	20	0.28	36	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.95	0.63	0.48	0.38
	30	0.35	45	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.2	0.79	0.60	0.48
	40	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
TF-12.5 (50)	10	0.25	32	9.3	7.4	6.2	4.6	3.7	3.1	2.5	1.9	0.85	0.57	0.43	0.34
	20	0.35	45	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.2	0.79	0.60	0.48
	30	0.43	55	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2	1.5	0.97	0.73	0.58
	40	0.50	64	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.7	1.1	0.85	0.68
TF-13 (50)	10	0.30	38	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	1.0	0.68	0.51	0.41
	20	0.42	54	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	1.4	0.95	0.71	0.57
	30	0.52	67	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	1.8	1.2	0.88	0.71
	40	0.60	77	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	2.0	1.4	1.0	0.82
TF-14 (50)	10	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
	20	0.57	73	21	16.9	14.1	10.6	8.5	7.1	5.6	4.2	1.9	1.3	0.97	0.78
	30	0.69	88	26	20	17.1	12.8	10.2	8.5	6.8	5.1	2.3	1.6	1.2	0.94
	40	0.80	102	30	24	19.8	14.9	11.9	9.9	7.9	5.9	2.7	1.8	1.4	1.1
TF-15 (50)	10	0.50	64	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.7	1.1	0.85	0.68
	20	0.71	91	26	21	17.6	13.2	10.5	8.8	7.0	5.3	2.4	1.6	1.2	0.97
	30	0.87	111	32	26	22	16.1	12.9	10.8	8.6	6.5	3.0	2.0	1.5	1.2
	40	1.00	128	37	30	25	18.6	14.9	12.4	9.9	7.4	3.4	2.3	1.7	1.4
TF-17.5 (50)	10	0.75	96	28	22	18.6	13.9	11.1	9.3	7.4	5.6	2.6	1.7	1.3	1.0
	20	1.06	136	39	31	26	19.7	15.7	13.1	10.5	7.9	3.6	2.4	1.8	1.4
	30	1.30	166	48	39	32	24	19.3	16.1	12.9	9.7	4.4	2.9	2.2	1.8
	40	1.50	192	56	45	37	28	22	18.6	14.9	11.1	5.1	3.4	2.6	2.0
TF-110 (50)	10	1.00	128	37	30	25	18.6	14.9	12.4	9.9	7.4	3.4	2.3	1.7	1.4
	20	1.41	180	52	42	35	26	21	17.4	14.0	10.5	4.8	3.2	2.4	1.9
	30	1.73	221	64	51	43	32	26	21	17.1	12.8	5.9	3.9	2.9	2.4
	40	2.00	256	74	59	50	37	30	25	19.8	14.9	6.8	4.5	3.4	2.7

***Note:** Always double check your application rates.*
See pages 153-157 for useful formulas and information.

†Specify material.

Optimum Spray Height

20°	24°*
30°	30°*
40°	39°*

**Wide angle spray nozzle height is influenced by nozzle orientation. The critical factor is to achieve a minimum 30% overlap.*

See page 153 for more information.

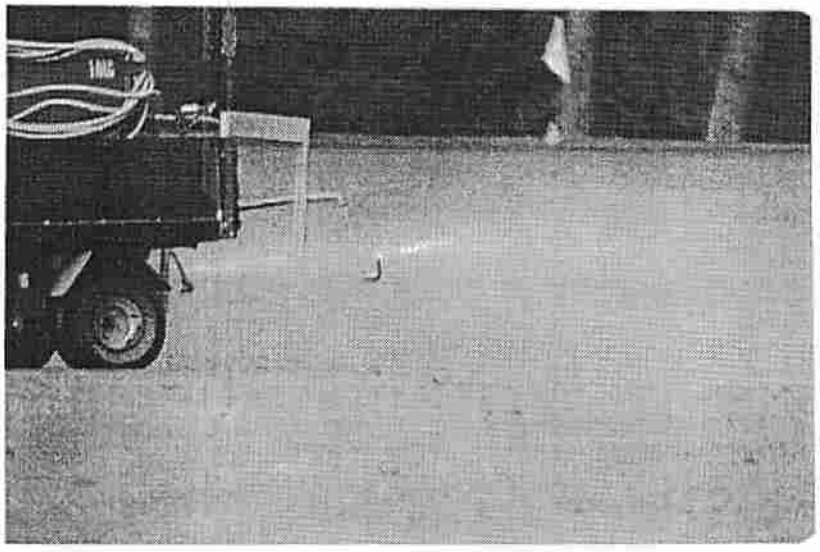
How to order:
Specify tip number.
Examples:
TF-VS4 – Stainless Steel with VisiFlo color-coding
TF-VP4 – Polymer with VisiFlo color-coding

NOTE:
Standard on Sportsman AG - 50 - TF-4 Spraying System Warranty Applies

FieldJet®

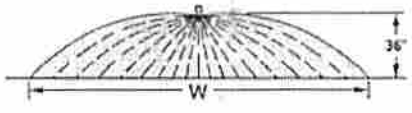
Boomless Nozzles with Extra Wide Flat Spray Projection

Type 1/4-KLC and Type 3/4-KLC
¼" NPT male and ¾" NPT male pipe connections



The KLC FieldJet nozzle is typically used to spray areas not accessible with a boom sprayer. Its one piece nozzle design projects spray to both sides to form a wide swath flat spray. The round orifice minimizes clogging. Uniformity across the swath is not as good as with a properly operated boom sprayer. Available in brass or stainless steel.

Uniformity can be optimized by double overlapping spray swaths on successive sprayer passes. Remember, this also doubles the application volume.



How to order:
Specify part number and material.
Example: 1/4KLC-SS18 Stainless Steel

NOTE:

Standard on Sportsman AG5020 - 1/4-KLC-18
Spraying System Warranty Applies

	PIPE CONNECTION	PSI	CAPACITY ONE NOZZLE IN GPM	"W" IN FEET	GPA				GALLONS PER 1000 SQ. FT.			
					3 MPH	4 MPH	5 MPH	6 MPH	3 MPH	4 MPH	5 MPH	6 MPH
1/4-KLC-5	1/4"	20	0.71	17	6.9	5.2	4.1	2.6	.16	.12	.09	.06
		30	0.87	18	8.0	6.0	4.8	3.0	.18	.14	.11	.07
		40	1.00	21	7.9	5.9	4.7	2.9	.18	.13	.11	.07
1/4-KLC-9	1/4"	20	1.27	18	11.6	8.7	7.0	4.4	.27	.20	.16	.10
		30	1.56	19	13.5	10.2	8.1	5.1	.31	.23	.19	.12
		40	1.80	21	14.1	10.6	8.5	5.3	.32	.24	.19	.12
1/4-KLC-18	1/4"	20	2.55	20	21	15.8	12.6	7.9	.48	.36	.29	.18
		30	3.12	21	25	18.4	14.7	9.2	.56	.42	.34	.21
		40	3.60	22	27	20	16.2	10.1	.62	.46	.37	.23
1/4-KLC-36	1/4"	20	5.09	22	38	29	23	14.3	.87	.66	.52	.33
		30	6.24	24	43	32	26	16.1	.98	.74	.59	.37
		40	7.20	26	46	34	27	17.1	1.0	.78	.63	.39
3/4-KLC-50	1/4"	20	7.07	23	51	38	30	19.0	1.2	.87	.70	.44
		30	8.66	26	55	41	33	21	1.3	.94	.75	.47
		40	10.0	28	59	44	35	22	1.3	1.0	.81	.51
3/4-KLC-72	1/4"	20	10.2	25	67	50	40	25	1.5	1.2	.92	.58
		30	12.5	29	71	53	43	27	1.6	1.2	.98	.61
		40	14.4	31	77	57	46	29	1.8	1.3	1.1	.66
3/4-KLC-108	1/4"	20	15.3	28	90	68	54	34	2.1	1.5	1.2	.77
		30	18.7	33	94	70	56	35	2.1	1.6	1.3	.80
		40	21.6	36	99	74	59	37	2.3	1.7	1.4	.85

Note: Always double check your application rate. See pages 153-157 for useful formulas and information.

Quick TeeJet® Caps

Color Code

1	2	3	4	5	6	7	8
Black	White	Red	Blue	Green	Yellow	Brown	Orange

Ordering Information

QUICK TEEJET CAPS	PART NUMBER: QUICK TEEJET CAP ONLY	PART NUMBER: QUICK TEEJET CAP & SEAT GASKET SET	FOR USE WITH SPRAY TIPS
	CP25611-*-NY CP25611-9-PP††	25612-*-NYR 25612-9-PP††	**TeeJet Flat Spray Tips** (Smaller Capacities) Standard –0067 Thru –08 XR –01 Thru –08 DG –015 Thru –05 TT –01 Thru –08
	CP25609-*-NY	25610-*-NYR	**TeeJet Flat Spray Tips** (Larger Capacities) Standard –10 Thru –20 XR –10 Thru –15
	CP25597-*-NY	25598-*-NYR	**TJ TwinJet®** **AI TeeJet®** **SJ-3 StreamJet®**
	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	**Turbo FloodJet®** VisiFlo® Spray Tip **TK-VS FloodJet®** VisiFlo Spray Tip Locating Nib

	CP25607-* -NY	25608-* -NYR	TK FloodJet® FL FullJet® TX ConeJet® TG Full Cone Hose Shank
	CP25607-9-PP††	25608-9-PP††	
	CP25607-* -NY	25608-* -NYR	D-Disc Core Seal Core CP18999-EPR (EPDM standard) CP18999-VI (Viton® optional) *Used with DC-Core Inserts and CP4916 Flow Regulators (Insert Core into Seal)*
	—	QJ4676-45-1/4-NYR†	45° Quick TeeJet cap
	—	QJ4676-90-1/4-NYR†	90° Quick TeeJet cap
	CP26277-1-NY†	26278-1-NYR†	Ceramic Disc-Core D-Disc Core
	—	QJ4676-1/8-NYB† QJ4676-1/4-NYB†	Permits use of standard ⅛" and ¼" nozzles. Can be used for mounting pressure gauge at the nozzle. See Data Sheet 20055 for more information.
	—	19843-NYR†	Provides shutoff at nozzle for quick spacing change or change in spray swath.

Hollow Cone Type Spray Tips

Disc	Core	Orifice	GPM 10 PSI	GPM 20 PSI	GPM 30 PSI	GPM 40 PSI	GPM 60 PSI	GPM 80 PSI	GPM 100 PSI	GPM 150 PSI	GPM 200 PSI	GPM 300 PSI	Angle 20 PSI	Angle 40 PSI	Angle 80 PSI
D1	DC13	.031"	—	—	.059	.066	.078	.088	.097	.115	.128	.152	—	51°	62°
D1.5	DC13	.036"	—	.057	.067	.075	.088	.098	.110	.127	.142	.167	38°	55°	66°
D2	DC13	.041"	—	.064	.075	.08	.10	.11	.12	.14	.16	.18	49°	67°	72°
D3	DC13	.047"	—	.071	.08	.09	.11	.12	.13	.16	.18	.20	53°	70°	75°
D4	DC13	.063"	.070	.09	.11	.12	.14	.16	.17	.20	.23	.27	69°	79°	83°
D1	DC23	.031"	—	—	.064	.072	.080	.096	.107	.124	.139	.164	—	47°	58°
D1.5	DC23	.036"	—	.064	.076	.086	.103	.117	.130	.155	.175	.210	34°	51°	62°
D2	DC23	.041"	—	.078	.092	.10	.13	.14	.16	.19	.21	.25	51°	63°	70°
D3	DC23	.047"	.065	.087	.10	.12	.14	.16	.18	.21	.24	.29	58°	69°	75°
D4	DC23	.063"	.082	.113	.14	.15	.19	.21	.23	.28	.32	.38	68°	82°	87°
D5	DC23	.078"	.095	.13	.16	.18	.22	.25	.28	.34	.38	.46	79°	89°	94°
D6	DC23	.094"	.112	.15	.19	.21	.26	.29	.32	.39	.45	.54	84°	93°	98°
D1	DC25	.031"	—	—	.088	.101	.122	.138	.156	.185	.210	.255	—	37°	43°
D1.5	DC25	.036"	—	—	.118	.135	.152	.185	.205	.245	.280	.33	—	38°	49°
D2	DC25	.041"	—	.12	.14	.16	.19	.22	.25	.29	.34	.41	39°	51°	58°
D3	DC25	.047"	.10	.14	.17	.19	.23	.26	.29	.35	.40	.48	52°	61°	67°
D4	DC25	.063"	.15	.21	.25	.29	.35	.40	.45	.54	.62	.75	67°	74°	80°
D5	DC25	.078"	.18	.25	.30	.35	.42	.48	.54	.65	.75	.90	73°	79°	84°
D6	DC25	.094"	.23	.32	.39	.44	.54	.62	.70	.85	.97	1.19	79°	85°	89°
D7	DC25	.109"	.26	.37	.45	.52	.63	.73	.81	.98	1.18	1.37	85°	91°	93°
D8	DC25	.125"	.31	.43	.53	.61	.75	.89	.97	1.19	1.36	1.68	91°	96°	97°
D10	DC25	.156"	.38	.54	.65	.76	.93	1.07	1.21	1.48	1.71	2.1	97°	102°	103°
D12	DC25	.188"	.46	.61	.80	.93	1.15	1.32	1.47	1.81	2.09	2.55	103°	109°	112°
D14	DC25	.219"	.51	.72	.89	1.03	1.26	1.47	1.65	2.02	2.34	2.89	108°	113°	114°

CP26277-1-NY
Quick TeeJet® Cap

NOTE:

Standard on Burroughs Row Crop Sprayers
Disc D3 - 25 Core
Spraying System Warranty Applies

D1	DC45	.031"	—	—	—	.129	.148	.170	.190	.225	.257	.310	—	22°	34°
D1.5	DC45	.036"	—	—	.14	.16	.20	.23	.25	.31	.35	.43	—	33°	44°
D2	DC45	.041"	—	.14	.18	.20	.25	.28	.32	.38	.44	.53	32°	46°	55°
D3	DC45	.047"	—	.17	.20	.23	.28	.33	.36	.43	.51	.62	40°	53°	60°
D4	DC45	.063"	.18	.25	.31	.36	.43	.50	.56	.68	.78	.95	62°	69°	72°
D5	DC45	.078"	.23	.32	.39	.45	.55	.64	.71	.86	.99	1.22	67°	73°	76°
D6	DC45	.094"	.29	.41	.50	.58	.72	.83	.93	1.15	1.33	1.64	73°	79°	81°
D7	DC45	.109"	.33	.48	.59	.68	.84	.97	1.11	1.35	1.57	1.54	81°	86°	87°
D8	DC45	.125"	.41	.59	.72	.84	1.04	1.21	1.35	1.68	1.94	2.40	86°	90°	90°
D10	DC45	.156"	.54	.77	.94	1.10	1.35	1.57	1.77	2.18	2.50	3.10	90°	93°	93°
D12	DC45	.188"	.67	.95	1.17	1.36	1.66	1.95	2.20	2.69	3.11	3.80	97°	100°	102°
D14	DC45	.218"	.75	1.07	1.32	1.53	1.89	2.19	2.45	3.00	3.49	4.30	101°	104°	105°
D16	DC45	.250"	.86	1.25	1.54	1.79	2.20	2.57	2.89	3.54	4.11	5.20	108°	111°	112°
D1	DC46	.031"	—	—	—	.145	.178	.205	.23	.28	.32	.39	—	15°	15°
D1.5	DC46	.036"	—	—	—	.213	.260	.300	.33	.41	.46	.56	—	15°	17°
D2	DC46	.041"	—	—	.24	.27	.33	.37	.42	.50	.57	.68	—	18°	21°
D3	DC46	.047"	—	.23	.28	.32	.39	.45	.51	.61	.70	.86	14°	20°	24°
D4	DC46	.063"	.28	.39	.48	.56	.68	.78	.88	1.07	1.23	1.52	23°	29°	33°
D5	DC46	.078"	.38	.54	.66	.77	.94	1.10	1.25	1.50	1.73	2.13	33°	39°	42°
D6	DC46	.094"	.55	.78	.92	1.10	1.35	1.58	1.73	2.16	2.50	3.06	42°	48°	50°
D7	DC46	.109"	—	.98	1.22	1.39	1.72	1.97	2.22	2.73	3.15	3.85	48°	53°	56°
D8	DC46	.125"	—	—	1.50	1.84	2.25	2.62	2.93	3.60	4.17	5.05	—	60°	62°
D10	DC46	.156"	—	—	2.15	2.48	3.05	3.53	3.96	4.83	5.59	6.80	—	66°	68°

Note: Always double check your application rates.

How to order:
To order orifice disc only, specify disc number and material.

Examples:

DCER-2	–	Ceramic
D2	–	Hardened Stainless Steel
DE-2	–	Stainless Steel
DVP-2	–	Polymer

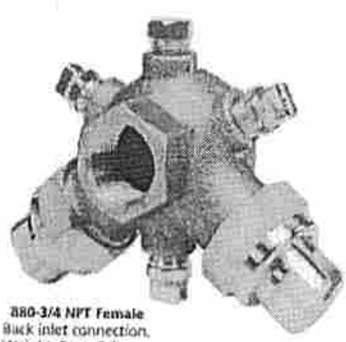
To order core only, specify core number and material.

Examples:

DC13-CER	–	Ceramic
DC13-HSS	–	Hardened Stainless Steel
DC13-AL	–	Aluminum
DC13	–	Brass
DC13-NY	–	Nylon

STRAINER NOTE: *For nozzles using orifice disc numbers 1, 1.5 and 2, or core numbers 31 and 33, slotted strainer number 4514-20 equivalent to 25 mesh screen size is required. For all other larger capacity discs and cores, slotted strainer number 4514-32 equivalent to 16 mesh screen size is required.*

BoomJet® Boomless Nozzles with Extra Wide Flat Spray Projection

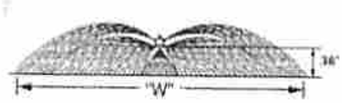


880-3/4 NPT Female
Back inlet connection.
Weight: Brass 2 lbs.

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 1/4" NPT pipe plug and one blank tip for setting BoomJet to one side only. Also has a 1/4" NPT pressure gauge port.

Uniformity can be optimized by double overlapping spray swaths on successive sprayer passes. Remember, this also doubles the application volume.

How to order:
Specify BoomJet nozzle number.
Example: 5880-3/4-2TOC-06



W = Maximum effective coverage with nozzle mounted at 36" height.

	(2)	(2)	(1)	PSI	GPM	"W" (FEET)	GPA 4 MPH	GPA 5 MPH	GPA 7.5 MPH	GPA 10 MPH	GPA 15 MPH	Gallons per 1000 sq. ft 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
				20	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	0.55	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	0.48	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-5510	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:

Standard on Burroughs Boomjet Spayers
5880 - 3/4 - 2 TOC 20
Spraying System Warranty Applies

AA126ML-F50

AA126ML-3 or -4

AA126 Flush-out Line Strainer

Features:

- 200 PSI (14 bar) maximum pressure rating.
- Strainer head and bowl are made of polypropylene with EPDM gasket.
- Screens are made of 304SS with color-coded polypropylene frames and are removable for cleaning.
- Removable cap and O-ring for flush-out or self-cleaning operations.
- Integral mounting provision allows the strainer to be attached to machine using M8 or 5/16" diameter bolts.
- Available with 3/4", 1" NPT or BSPT (F) threads and 50 or 75 series flange fitting connections for easy assembly. For information on flange fittings see pages 86 and 87.

16903

STRAINER NUMBER	PIPE/FLANGE CONNECTION (F)	FLOW RATE WITH 5 PSI (0.35 bar) PRESSURE DROP	SCREEN	MESH SIZE*
AA(B)126ML-F50-*	50 Series Flange	35 GPM (132 l/min)	CP16903-1-SSPP	16
			CP16903-3-SSPP	30
AA(B)126ML-3-*	3/4"	23 GPM (87 l/min)	CP16903-4-SSPP	50
			CP16903-5-SSPP	80
AA(B)126ML-4-*	1"	35 GPM (132 l/min)	CP16903-6-SSPP	100
			CP16903-7-SSPP	200

*Specify mesh size

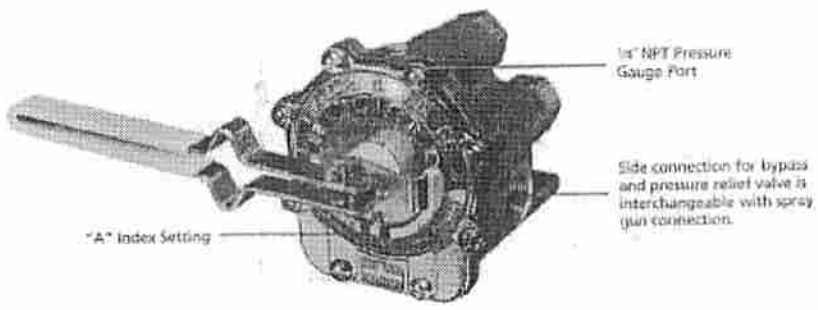
(B)=BSPT

TeeValve® Control Valve

For Selective Control of Three-Section Boom Sprayers at Pressures up to 300 PSI (20 bar).

- Use to open any of three boom section lines in any desired combination.
- Raise lever to open, lower lever to close the valve without changing the indexed position.
- Aluminum construction with stainless steel and plastic internal parts for maximum corrosion resistance.

How to order:
Example: AA17B



Model AA17

MODEL NUMBER	MATERIAL	MAXIMUM PRESSURE	INLET	(3) BOOM OUTLETS	ACCESSORY OUTLET
AA17Y	Aluminum, Polymer, SS	300 PSI (20 bar)	1" NPT	½" (F)	¼" (F)
AA17L	Aluminum, Polymer, SS	300 PSI (20 bar)	¼" NPT	¼" (F)	¼" (F)

DirectoValve® Manual Control Valve

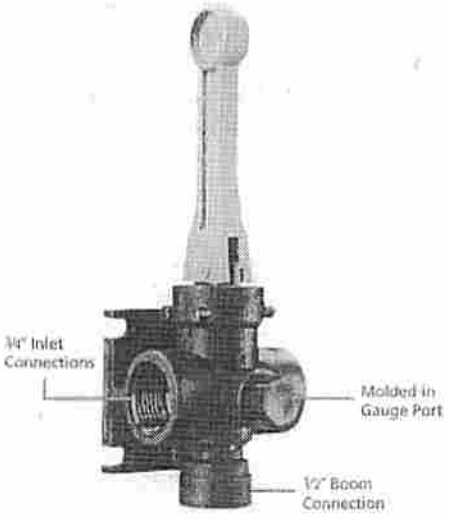
Model 6B

- Molded of corrosion-resistant materials, all wetted parts are polypropylene, stainless steel and polyethylene.
- Maximum pressure of 150 PSI (10 bar).
- Large capacity, 12 GPM (47 l/min) at 5 PSI (0.34 bar) pressure drop.
- Molded-in mounting flange and 1/4" NPT gauge port.
- Valves can be ganged together using hex nipple for multiple-boom control.
- Easily repaired without removing valve from spray line.

How to order:

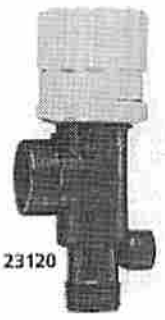
Example: AA(B)6B

(B) = BSPT



Piston-Type Pressure Relief/Regulating Valves

Bypasses excess liquid. Adjustable to maintain control of line pressure at any pressure within the valve's operating range. Selected pressure setting firmly held in place by locknut. Extra large valve passages to handle large flows.



Model 23120

Model 23120

- Stainless steel spring.
- Excellent chemical resistance.
- 1/4" blind port for pressure gauge to be drilled by customer.

Model 23120A

- Same as 23120 but with 316SS spring and Viton® O-ring.

How to order:

Specify valve number.
Example: (B)23120-PP-1/2

VALVE NUMBER	INLET & PIPE CONNECTIONS	MATERIAL	PRESSURE RANGE
(B)23120-PP-*	1/2" or 3/4"	Polypropylene	100 PSI (7 bar)
(B)23120A-PP-*	1/2" or 3/4"	Polypropylene	100 PSI (7 bar)

**Specify pipe size.*

(B) = BSPT

Model 8460

Model 8460 Diaphragm-Type Pressure Relief/Regulating Valves

Features:

- Flow rate to 56 GPM (212 l/min) for ½" and 70 GPM (265 l/min) for ¾".
- Stainless steel springs, responsive to the pressure range of each valve.
- Extra-large valve passages to handle full flow from supply line.
- Positive lock nut to hold adjustment screw firmly in place. Not affected by jarring and vibration.

How to order:

Specify valve number.
Example: (B)8460-1/2-50

VALVE NUMBER	INLET & PIPE CONNECTIONS	MATERIAL		PRESSURE RANGE
		INLET BODY	BONNET	
(B)8460-*-50	½" or ¾"	Nylon	Aluminum	50 PSI (3.5 bar)
(B)8460-*	½" or ¾"	Nylon	Aluminum	300 PSI (20 bar)

SPRAYER MODEL NO. NGD-300

Use CDS John Blue Liquid Metering Pump Model No. LM-4450

LM-4450 Series	
Single Piston - Double Acting	Rated Speed - 450 RPM
Stroke - Variable	Inlet - 1-1/2" FPT
Rated Flow - 34.2 GPM	Outlet - 1" FPT
Rated Pressure - 120 PSI	Clutch - Various Options

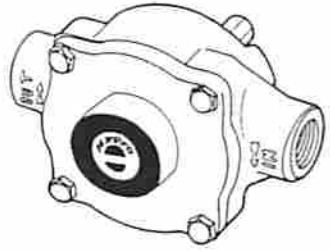
Rated Flow based on 12 lbs. per gallon fertilizer

MODELS AVAILABLE:
LM-4450
Rope Control Clutch
LM-4455
Without Clutch
LM-4458
Electric Control Clutch
LM-4459
Hydraulic Control Clutch

CDS John Blue Warranty Applies

50 Gallons, 65 Gallon Sprayers

Use Hypro Roller Pumps 6500 6-Roller Cast Iron Ni-Resist or Silver Series



SERIES 6500

6-ROLLER PUMP

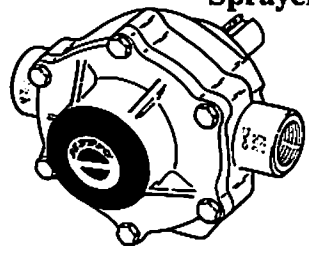
Max. Flow Rate: ..... 22 gpm
Max. Pressure: ..... 300 psi
Max. RPM: ..... 1200 rpm
Ports: ..... 3/4" NPT Inlet & Outlet
1" Hose Barb Included
Shaft: ..... 5/8" Dia. (Solid)
Continual Op. ..... 100-150 psi
Intermittent Operation .... 300 psi

Hypro Warranty Applies

Standard and Opt.

110 Gallons, 200 Gallons, PT and SA 300 & 500 Gallons

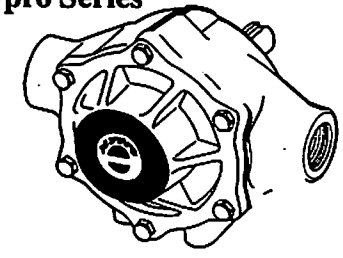
Sprayers Use Hypro Series



SERIES 7560

8-ROLLER PUMP

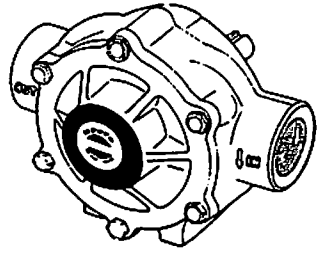
Max. Flow Rate: ..... 22 gpm
Max. Pressure: ..... 300 psi
Max. RPM: ..... 1000 rpm
Ports: ..... 3/4" NPT Inlet & Outlet
1" Hose Barb Included
Shaft: ..... 15/16" Dia. (Solid)
Continual Operation ..... 100 psi
Intermittent Operation .... 300 psi



SERIES 1700

5-ROLLER PUMP

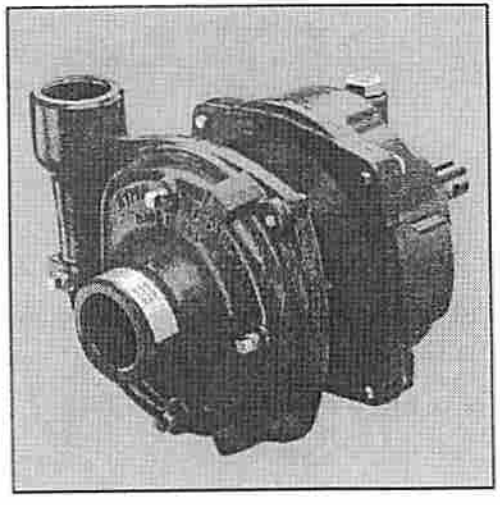
Max. Flow Rate: ..... 45 gpm
Max. Pressure: ..... 200 psi
Max. RPM: ..... 1000 rpm
Ports: ..... 1" NPT Inlet & Outlet
1-1/4" Hose Barb Included
Shaft: ..... 15/16" Dia. (Solid)
Continual Operation ..... 100 psi
Intermittent Operation .... 200 psi



SERIES 1500

6-ROLLER PUMP

Max. Flow Rate: ..... 62 gpm
Max. Pressure: ..... 150 psi
Max. RPM: ..... 1000 rpm
Ports: ... 1-1/2" NPT Inlet & Outlet
Shaft: ..... 15/16" Dia. (Solid)
Continual Operation ..... 100 psi
Intermittent Operation .... 150 psi



Series 9000C-O

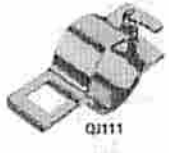
Includes Models: 9006C-O, 9008C-O, 9016C-O, 9018C-O and 9028C-O

- Planetary oil bath gear drive
- Max. flow: 110-117 gpm
- Max. pressure: 75 psi
- Max. speed: 600 or 1000 rpm (540 and 1000 rpm PTO)
- Shafts: 1" solid, 1-3/8" hollow, 1-3/4" hollow
- Port sizes: 1-1/2" NPT inlet, 1-1/4" NPT outlet
- Max. fluid temperature: 140°F
- Housing: cast iron
- Impeller: glass-filled nylon
- Pump shaft rotation: CCW*
- Weight: 44 lbs./20 kg
- Shaft seals: Viton standard (Buna-N and silicon carbide available)

TeeJet® *Vari-Spacing Clamps for Use on Dry Boom Quick TeeJet Bodies*

PART NUMBER (PLATED STEEL)	TO FIT
QJ111-1/2	½" Pipe (1¼" & 1½" O.D. Tubing)
QJ111-3/4	¾" Pipe (1" & 1¼" O.D. Tubing)
QJ111-1	1" Pipe (1¼", 1¼" & 1⅝" O.D. Tubing)
QJ111-1-1/4	1¼" Pipe (1⅝" & 1¾" O.D. Tubing)
QJ111P-3/4	¾" Pipe (1" & 1¼" O.D. Tubing)

PART NUMBER		TO FIT
PLATED STEEL	STAINLESS STEEL	
QJ1115Q-3/4	QJ1115Q-3/4-304SS	¾" Square Tubing
QJ1115Q-1	QJ1115Q-1-304SS	1" Square Tubing
QJ1115Q-1-1/4	QJ1115Q-1-1/4-304SS	1¼" Square Tubing
QJ1115Q-1-1/2	QJ1115Q-1-1/2-304SS	1½" Square Tubing


QJ111


QJ1115Q

COMPONENT PARTS

Spraying System Warranty Applies

Quick TeeJet®

QJ100 Series Quick TeeJet Nozzle Body

- Hose barb sizes for 3/8", 1/2" or 3/4" I.D. hose.
- Maximum operating pressure of 125 PSI (9 bar).

PART NUMBER SINGLE	TO FIT HOSE I.D.
18635-111-406-NYB	3/8"
18638-111-540-NYB	1/2"
18719-111-785-NYB	3/4"

PART NUMBER DOUBLE	TO FIT HOSE I.D.
18636-112-406-NYB	3/8"
18639-112-540-NYB	1/2"
18720-112-785-NYB	3/4"

PART NUMBER TRIPLE	TO FIT HOSE I.D.
18637-113-406-NYB	3/8"
18640-113-540-NYB	1/2"
18721-113-785-NYB	3/4"

QJ300 Series Diaphragm Check Valve Quick TeeJet Nozzle Assemblies

- Low profile design allows maximum protection against damage.
- Available with single and double hose shanks for 3/8", 1/2" and 3/4" I.D. hose.
- Drip-free shutoff with TeeJet ChemSaver. Opens at 10 PSI (0.7 bar). Standard diaphragm is EPDM with Viton optional.
- Maximum operating pressure of 300 PSI (20 bar).

QJ300 Series is also available in polypropylene. Maximum operating pressure is 150 PSI (10 bar).

PART NUMBER SINGLE	TO FIT HOSE I.D.
22251-311-375-NYB	3/8"
22251-311-500-NYB	1/2"
22251-311-750-NYB	3/4"

PART NUMBER DOUBLE	TO FIT HOSE I.D.
22252-312-375-NYB	3/8"
22252-312-500-NYB	1/2"
22252-312-750-NYB	3/4"

NOTES

WARRANTY

Burroughs Sprayer Mfg. warrants each new Burroughs product to be free from defects in material and workmanship. This warranty is applicable only for the normal service life expectancy of the machine or components not to exceed three consecutive months from the date of delivery of the new Burroughs product to the original purchaser.

Under no circumstance will it cover any merchandise or components thereof which, in the opinion of the company, has been subjected to negligent handling, misuse, alteration, an accident, or if repairs have been made with parts other than those obtainable through Burroughs Sprayer Mfg.

The company in no way warrants engines, batteries, tires or other trade accessories since these items are warranted separately by their respective manufacturers.

Our obligation under this warranty shall be limited to repairing or replacing, free of charge to the original purchaser, any part that in our judgment shall show evidence of such defect, provided further that such part shall be returned within thirty (30) days from date of failure to Burroughs Sprayer Mfg. through the dealer and distributor from whom the purchase was made, transportation charges prepaid.

This warranty shall not be interpreted to render us liable for injury or damages of any kind or nature, direct, consequential, or contingent, to person or property. This warranty does not extend to loss of crops, loss because of delay in harvesting, or any expense or loss incurred for labor, supplies, substitute machinery, rental or for any other reason.

THERE ARE NO WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE INTENDED OR FITNESS FOR ANY OTHER REASON.

This warranty is subject to any existing conditions of supply which may directly affect our ability to obtain materials or manufacture replacement parts.

Burroughs Sprayer Mfg. reserves the right to make improvements in design or changes in specifications at any time, without incurring any obligations to owners of units previously sold.

No one is authorized to alter, modify, or enlarge this warranty nor the exclusions, limitations and reservations.

Burroughs Sprayer Mfg.®

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