

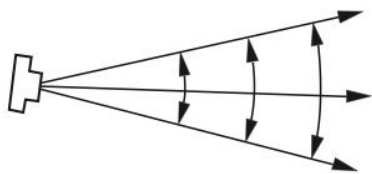


JET-SET® GUIDES

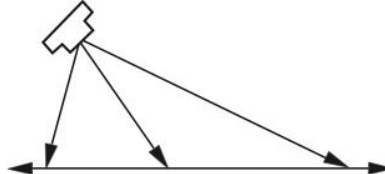
TIPS FOR SPRAYING

The JET-SET® Hydraulic Spray System assures a controlled deposit on any configuration. First, the spray displacement can vary from zero to full capacity by adjusting the volume control on the pump. And second, the velocity can be controlled from a soft, gentle spray to a full strong blast by regulating the pressure in the air supply.

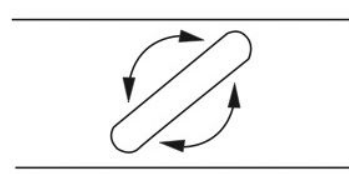
The following three sketches show how coverage and pattern can be varied without changing tips.



1 DISTANCE FROM TIP INCREASES COVERAGE



2 ANGLE OF TIP BROADENS COVERAGE



3 WIDTH OF FLAT SPRAY COVERAGE CAN BE CHANGED BY TURNING TIP

JET-SET® HYDRAULIC SPRAY KITS ARE SHIPPED WITH AN 80015 FLAT SPRAY TIP. THE FOLLOWING INTERCHANGEABLE TIPS ARE AVAILABLE FOR SPECIFIC NEEDS.



SOLID ROUND SPRAY

CODE	ACTUAL ORIFICE	ANGLE
TG 0.4	.022	63°
TG 1	.036	60°
* TG 2	.047	50°
TG 3	.062	65°

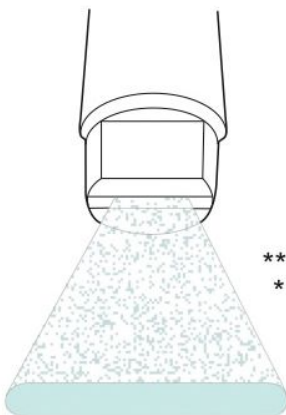
* Popular Sizes



HOLLOW ROUND SPRAY

CODE	ACTUAL ORIFICE	ANGLE
TY 14	.059	68°
* TX 10	.060	76°
T8W	.063	136°

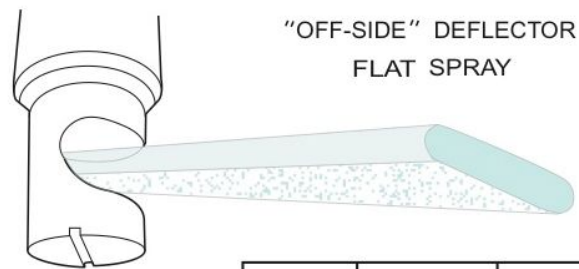
* Popular Sizes



FLAT SPRAY

CODE	EQUIVALENT ORIFICE	ANGLE
** 5001	.026	60°
** 80015	.031	90°
* 110015	.031	120°

* Popular Sizes ** Most Popular



"OFF-SIDE" DEFLECTOR FLAT SPRAY

CODE	ACTUAL ORIFICE	ANGLE
* TK 1.5	.040	140°
TK 2.5	.051	140°

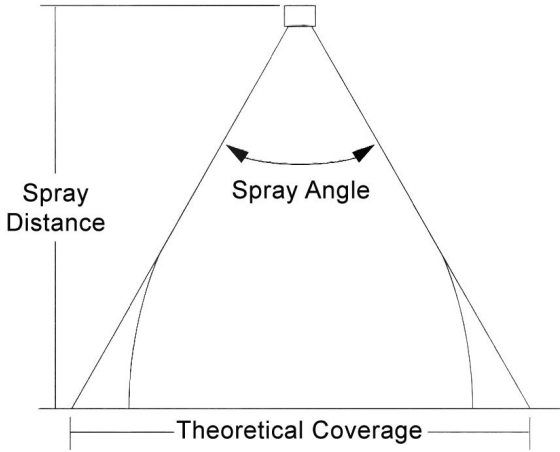
* Popular Sizes

NOTE: Other tips are available. For recommendation, submit pint sample of liquid and details of operation.



JET-SET® GUIDES

SPRAY ANGLE AND COVERAGE



Tabulated spray angles indicate approximate spray coverages based on spray or distribution of water. In actual spraying, the effective spray angle varies with spray distance. Liquids more viscous than water form relatively smaller spray angles (or even a solid stream), depending upon viscosity, nozzle capacity and spraying pressure. Liquids with surface tensions lower than water will produce relatively wider spray angles than those listed for water. 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. Values are based on the assumption that the spray angle remains the same throughout the entire spray distance. In actual practice, the tabulated spray angle does not hold for long spray distances. If the spray coverage requirement is critical, contact JET-SET® for help in determining the specs.

Theoretical Spray Coverage

at Various Distances in Inches (cm) from Nozzle Orifice

Spray Angle	2"	5 cm	4"	10 cm	6"	15 cm	8"	20 cm	10"	25 cm	12"	30 cm	15"	40 cm	18"	50 cm	24"	60 cm	30"	70 cm	36"	80 cm	48"	100 cm
5°	.2	.4	.4	.9	.5	1.3	.7	1.8	.9	2.2	1.1	2.6	1.3	3.5	1.6	4.4	2.1	5.2	2.6	6.1	3.1	7.0	4.2	8.7
10°	.4	.9	.7	1.8	1.1	2.6	1.4	3.5	1.8	4.4	2.1	5.3	2.6	7.0	3.1	8.8	4.2	10.5	5.2	12.3	6.3	14.0	8.4	17.5
15°	.5	1.3	1.1	2.6	1.6	4.0	2.1	5.3	2.6	6.6	3.2	7.9	3.9	10.5	4.7	13.2	6.3	15.8	7.9	18.4	9.5	21.1	12.6	26.3
20°	.7	1.8	1.4	3.5	2.1	5.3	2.8	7.1	3.5	8.8	4.2	10.6	5.3	14.1	6.4	17.6	8.5	21.2	10.6	24.7	12.7	28.2	16.9	35.3
25°	.9	2.2	1.8	4.4	2.7	6.7	3.5	8.9	4.4	11.1	5.3	13.3	6.6	17.7	8.0	22.2	10.6	26.6	13.3	31.0	15.9	35.5	21.2	44.3
30°	1.1	2.7	2.1	5.4	3.2	8.0	4.3	10.7	5.4	13.4	6.4	16.1	8.1	21.4	9.7	26.8	12.8	32.2	16.1	37.5	19.3	42.9	25.7	53.6
35°	1.3	3.2	2.5	6.3	3.8	9.5	5.0	12.6	6.3	15.8	7.6	18.9	9.5	25.2	11.3	31.5	15.5	37.8	18.9	44.1	22.7	50.5	30.3	63.1
40°	1.5	3.6	2.9	7.3	4.4	10.9	5.8	14.6	7.3	18.2	8.7	21.8	10.9	29.1	13.1	36.4	17.5	43.7	21.8	51.0	26.2	58.2	34.9	72.8
45°	1.7	4.1	3.3	8.3	5.0	12.4	6.6	16.6	8.3	20.7	9.9	24.9	12.4	33.1	14.9	41.4	19.9	49.7	24.8	58.0	29.8	66.3	39.7	82.8
50°	1.9	4.7	3.7	9.3	5.6	14.0	7.5	18.7	9.3	23.3	11.2	28.0	14.0	37.3	16.8	46.6	22.4	56.0	28.0	65.3	33.6	74.6	44.8	93.3
55°	2.1	5.2	4.2	10.4	6.3	15.6	8.3	20.8	10.3	26.0	12.5	31.2	15.6	41.7	18.7	52.1	25.0	62.5	31.2	72.9	37.5	83.3	50.0	104
60°	2.3	5.8	4.6	11.6	6.9	17.3	9.2	23.1	11.5	28.9	13.8	34.6	17.3	46.2	20.6	57.7	27.7	69.3	34.6	80.8	41.6	92.4	55.4	115
65°	2.5	6.4	5.1	12.7	7.6	19.1	10.2	25.5	12.7	31.9	15.3	38.2	19.2	51.0	22.9	63.7	30.5	76.5	38.2	89.2	45.8	102	61.2	127
70°	2.8	7.0	5.6	14.0	8.4	21.0	11.2	28.0	14.0	35.0	16.8	42.0	21.0	56.0	25.2	70.0	33.6	84.0	42.0	98.0	50.4	112	67.2	140
75°	3.1	7.7	6.1	15.4	9.2	23.0	12.3	30.7	15.3	38.4	18.4	46.0	23.0	61.4	27.6	76.7	36.8	92.1	46.0	107	55.2	123	73.6	153
80°	3.4	8.4	6.7	16.8	10.1	25.2	13.4	33.6	16.8	42.0	20.2	50.4	25.2	67.1	30.3	83.9	40.3	101	50.4	118	60.4	134	80.6	168
85°	3.7	9.2	7.3	18.3	11.0	27.5	14.7	36.7	18.3	45.8	22.0	55.0	27.5	73.3	33.0	91.6	44.0	110	55.0	128	66.0	147	88.0	183
90°	4.0	10.0	8.0	20.0	12.0	30.0	16.0	40.0	20.0	50.0	24.0	60.0	30.0	80.0	36.0	100	48.0	120	60.0	140	72.0	160	96.0	200
95°	4.4	10.9	8.7	21.8	13.1	32.7	17.5	43.7	21.8	54.6	26.2	65.5	32.8	87.3	39.3	109	52.4	131	65.5	153	78.6	175	105	218
100°	4.8	11.9	9.5	23.8	14.3	35.8	19.1	47.7	23.8	59.6	28.6	71.5	35.8	95.3	43.0	119	57.2	143	71.6	167	85.9	191	114	238
110°	5.7	14.3	11.4	28.6	17.1	42.9	22.8	57.1	28.5	71.4	34.3	85.7	42.8	114	51.4	143	68.5	171	85.6	200	103	229	-	286
120°	6.9	17.3	13.9	34.6	20.8	52.0	27.7	69.3	34.6	86.6	41.6	104	52.0	139	62.4	173	83.2	208	104	243	-	-	-	-
130°	8.6	21.5	17.2	42.9	25.7	64.3	34.3	85.8	42.9	107	51.5	129	64.4	172	77.3	215	103	257	-	-	-	-	-	-
140°	10.9	27.5	21.9	55.0	32.9	82.4	43.8	110	54.8	137	65.7	165	82.2	220	98.6	275	-	-	-	-	-	-	-	-
150°	14.9	37.3	29.8	74.6	44.7	112	59.6	149	74.5	187	89.5	224	112	299	-	-	-	-	-	-	-	-	-	-
160°	22.7	56.7	45.4	113	68.0	170	90.6	227	113	284	-	-	-	-	-	-	-	-	-	-	-	-	-	-
170°	45.8	114	91.6	229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

For more info and video troubleshooting, visit us online at:

<http://www.JetSetSpray.com>



JET-SET® GUIDES

SPRAY TIPS

Spray tips are available in a wide variety of materials, capacities and spray patterns. For specific information about spray tips or different patterns other than indicated here, please contact us.

The following spray tips are regularly stocked at **JET-SET®**:

FLAT SPRAY (TP)

TIP#	ORIFICE DIA	SPRAY ANGLE (Approx.)	TP
902-5001	.026"	50° @40psi / 60° @ 80psi	
902-6501	.026"	65° @40psi / 74° @ 80psi	
902-80015	.031"	80° @40psi / 90° @ 80psi	
902-800050	.018"	80° @20psi / 95° @ 80psi	
902-110015	.031"	110° @40psi / 120° @ 80psi	

* This tip comes standard on all of our nozzles unless another tip requested.*

FULL CONE (TG)

TIP#	ORIFICE DIA	SPRAY ANGLE (Approx.)	TG
902-TG 0.3	.020"	50° @20psi / 61° @ 80psi	
902-TG 0.4	.022"	56° @20psi / 63° @ 80psi	
902-TG 0.6	.027"	54° @20psi / 62° @ 80psi	
902-TG 1	.036"	58° @20psi / 53° @ 80psi	
902-TG 2	.047"	50° @20psi / 46° @ 80psi	
902-TG 3	.062"	65° @20psi / 59° @ 80psi	



JET-SET® GUIDES

SPRAY TIPS

DEFLECTED FLAT SPRAY (TK)

TIP#	ORIFICE DIA	SPRAY ANGLE (Approx.)	TK
902-TK 1.5	.040"	108° @20psi / 130° @ 60psi	
902-TK 2.5	.052"	122° @20psi / 133° @ 60psi	

HOLLOW CONE (TX / TY)

TIP#	ORIFICE DIA	SPRAY ANGLE (Approx.)	TX / TY
902-TX 10	.059"	68° @20psi / 74° @ 40psi	
902-TY 14	.070"	70° @20psi / 76° @ 40psi	



JET-SET® GUIDES

NOZZLE ASSEMBLIES

Part# 900 (O/A Length = 1 7/8" approx.)			Female Nozzle Assembly
1	1pc	901 Nozzle Nut	
2	1pc	902-80015 Standard Spray Tip	
3	2pcs	904 Nozzle Gasket	
4	1pc	903 20 (40) 20 or 40lb Check Valve	
5	1pc	905 Nozzle Body	

Part# 900-1/8M (O/A Length = 1 3/4" approx.)			Male Nozzle Assembly
1	1pc	901 Nozzle Nut	
2	1pc	902-80015 Standard Spray Tip	
3	2pcs	904 Nozzle Gasket	
4	1pc	903 20 (40) 20 or 40lb Check Valve	
5	1pc	905-1/8 MT Nozzle Body	

Part# 902-80015-M20 (O/A Length = 7/8" approx. 20lb Check Valve)	Mini Nozzle
OR	
Part# 902-80015-MNV (O/A Length = 7/8" approx. No Check Valve)	
<i>***For Use With 908-SW***</i>	

Part# 908-SW 1/8x1/8 (O/A Length = 1 1/4" approx.)	Ball Swivel Assembly
Swivel for 900-1/8M or 902-80015-M's	

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<http://www.JetSetSpray.com>