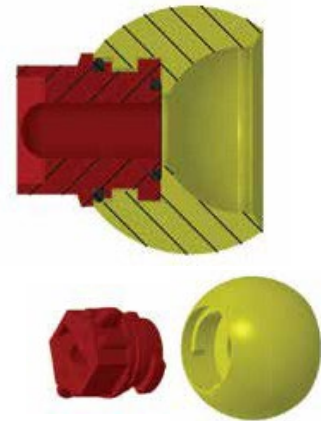


DESCRIPTION

The “Quik-Change” Nozzle Tip is installed with a bayonet mount, and a simple 90° twist is all it takes to lock it into the ball. It is O-Ring sealed at the bottom and lip sealed at the top to prevent the mounting slots and tabs from becoming contaminated and difficult to disassemble.

The exterior dimensions and contours of the ball are identical to our standard Adjustable Nozzle Tips, so the full range of adjustment is still available. However, the tip length has been shortened from that of our standard tips, providing even greater clearance between the spray nozzle and your product.



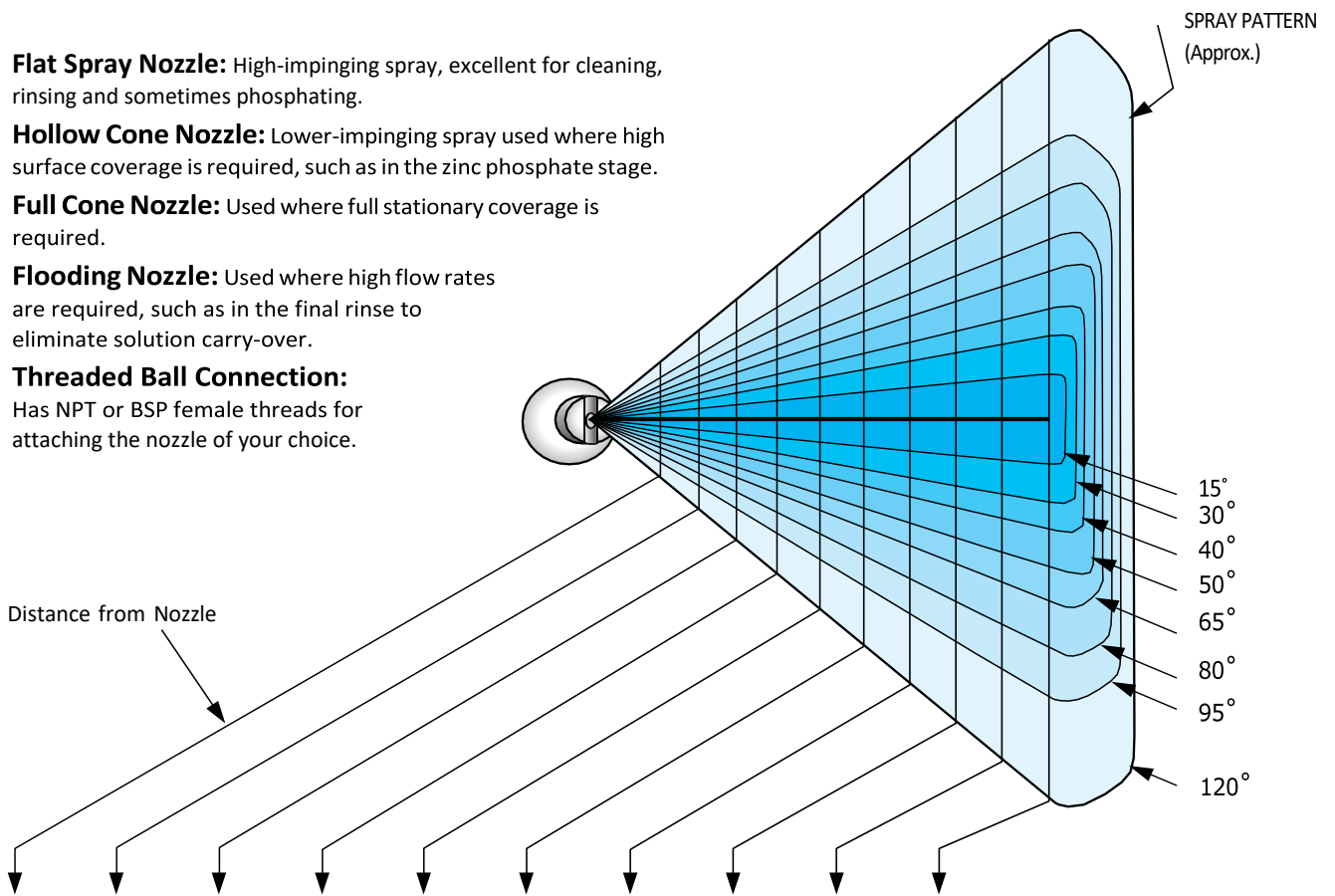
Flat Spray Nozzle: High-impinging spray, excellent for cleaning, rinsing and sometimes phosphating.

Hollow Cone Nozzle: Lower-impinging spray used where high surface coverage is required, such as in the zinc phosphate stage.

Full Cone Nozzle: Used where full stationary coverage is required.

Flooding Nozzle: Used where high flow rates are required, such as in the final rinse to eliminate solution carry-over.

Threaded Ball Connection: Has NPT or BSP female threads for attaching the nozzle of your choice.



HEIGHT OF INCLUDED ANGLE OF SPRAY COVERAGE (CM)

10 cm	15 cm	20 cm	25 cm	30 cm	40 cm	50 cm	60 cm	75 cm	90 cm	@ Spray Angle
2.6	3.9	5.3	6.6	7.9	10.5	13.2	15.8	19.7	23.7	15
5.4	8.0	10.7	13.4	16.1	21.4	26.8	32.2	40.2	48.2	30
7.3	10.9	14.6	18.2	21.8	29.1	36.4	43.7	54.6	65.5	40
9.3	14.0	18.7	23.3	28.0	37.3	46.6	56.0	69.9	83.9	50
12.7	19.1	25.5	31.9	38.2	51.0	63.7	76.4	95.6	114.7	65
16.8	25.2	33.6	42.0	50.3	67.1	83.9	100.7	125.9	151.0	80
21.8	32.7	43.7	54.6	65.5	87.3	109.1	131.0	163.7	196.4	95
34.6	52.0	69.3	86.6	103.9	138.6	173.2	207.8	259.8	311.8	120

FLOW RATE – FLAT SPRAY (Quick change tips and complete nozzles)

NOZZLE TIP PART	EQUIV ORIFICE DIA.	TIP COLOR	SPRAY ANGLE	CAPACITY LPM AT BAR						AVAIL QC	AVAIL STANDARD
				0.5	0.7	1	2	3	5		
1550	4.37	Pink	15	7.91	9.37	11.19	15.83	19.38	25.03	<input checked="" type="checkbox"/>	
3003	1.09	Black	30	0.48	0.57	0.68	0.97	1.18	1.53	<input checked="" type="checkbox"/>	
3010	1.73	Brown	30	1.58	1.87	2.24	3.16	3.87	5.00	<input checked="" type="checkbox"/>	
3015	2.39	Lt Blue	30	2.42	2.86	3.42	4.83	5.92	7.64	<input checked="" type="checkbox"/>	
3020	2.77	Dk Green	30	3.16	3.74	4.47	6.32	7.75	10.00	<input checked="" type="checkbox"/>	
3025	3.18	Grey	30	3.95	4.68	5.59	7.91	9.69	12.50	<input checked="" type="checkbox"/>	
3030	3.58	Purple	30	4.74	5.62	6.71	9.49	11.62	15.00	<input checked="" type="checkbox"/>	
3040	3.96	Black	30	6.59	7.80	9.32	13.18	16.14	20.84		<input checked="" type="checkbox"/>
3080	5.56	Lt Green	30	12.92	15.30	18.28	25.84	31.65	40.86	<input checked="" type="checkbox"/>	
3090	5.94	Blue	30	14.50	17.20	20.50	29.00	35.50	45.90	<input checked="" type="checkbox"/>	
30100	6.35	Lt Green	30	16.09	19.04	22.75	32.17	39.40	50.87	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
30120	6.76	Pink	30	19.30	22.90	27.30	38.70	47.40	61.10	<input checked="" type="checkbox"/>	
4020	2.77	Turquoise	40	3.16	3.74	4.47	6.32	7.75	10.00		<input checked="" type="checkbox"/>
4050	4.37	Dk Green	40	8.17	9.67	11.56	16.34	20.02	25.84	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5003	1.09	Yellow	50	0.48	0.57	0.68	0.97	1.18	1.53	<input checked="" type="checkbox"/>	
5015	0.79	Dk Blue	50	2.42	2.86	3.42	4.83	5.92	7.64	<input checked="" type="checkbox"/>	
5020	2.77	Lt. Green	50	3.16	3.74	4.47	6.32	7.75	10.00		<input checked="" type="checkbox"/>
5025	3.18	Black	50	3.95	4.68	5.59	7.91	9.69	12.50	<input checked="" type="checkbox"/>	
5030	3.58	Blue	50	4.74	5.62	6.71	9.49	11.62	15.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5040	3.96	Mauve	50	6.59	7.80	9.32	13.18	16.14	20.84	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5050	4.37	Pink	50	8.17	9.67	11.56	16.34	20.02	25.84	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5060	4.72	Orange	50	9.76	11.55	13.80	19.52	23.91	30.86	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5070	5.16	Blue	50	11.34	13.42	16.04	22.68	27.78	35.86	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5080	5.56	Dk Green	50	12.92	15.30	18.28	25.84	31.65	40.86	<input checked="" type="checkbox"/>	
5090	5.94	Dk Green	50	14.50	17.20	20.50	29.00	35.50	45.90	<input checked="" type="checkbox"/>	
50100	6.35	Grey	50	16.09	19.04	22.75	32.17	39.40	50.87	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
50120	6.76	Red	50	19.30	22.90	27.30	38.70	47.40	61.10	<input checked="" type="checkbox"/>	
6520	2.77	Grey	65	3.16	3.74	4.47	6.32	7.75	10.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6530	3.58	Purple	65	4.74	5.62	6.71	9.49	11.62	15.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6540	3.96	Yellow	65	6.59	7.80	9.32	13.18	16.14	20.84	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6550	4.37	Red	65	8.17	9.67	11.56	16.34	20.02	25.84	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6560	4.72	Green	65	9.76	11.55	13.80	19.52	23.91	30.86	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6570	5.16	Red	65	11.34	13.42	16.04	22.68	27.78	35.86	<input checked="" type="checkbox"/>	
65100	6.35	Lt Green	65	16.09	19.04	22.75	32.17	39.40	50.87	<input checked="" type="checkbox"/>	
8006	1.57	Lt. Green	80	0.98	1.15	1.38	1.95	2.39	3.08	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8010	2.03	Black	80	1.58	1.87	2.24	3.16	3.87	5.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8020	2.77	Yellow	80	3.16	3.74	4.47	6.32	7.75	10.00	<input checked="" type="checkbox"/>	
8040	3.96	Beige	80	6.59	7.80	9.32	13.18	16.14	20.84	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8050	4.37	Dk. Green	80	8.17	9.67	11.56	16.34	20.02	25.84	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8060	4.72	Beige	80	9.76	11.55	13.80	19.52	23.91	30.86		<input checked="" type="checkbox"/>
8070	5.16	Beige	80	11.34	13.42	16.04	22.68	27.78	35.86	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9503	1.09	Orange	95	0.48	0.57	0.68	0.97	1.18	1.53	<input checked="" type="checkbox"/>	
9520	2.77	Red	95	3.16	3.74	4.47	6.32	7.75	10.00	<input checked="" type="checkbox"/>	
9530	3.58	Grey	95	4.74	5.62	6.71	9.49	11.62	15.00	<input checked="" type="checkbox"/>	
9510ex	2.03	Black	95	1.58	1.87	2.24	3.16	3.87	5.00	<input checked="" type="checkbox"/>	
9520ex	2.77	Red	95	3.16	3.74	4.47	6.32	7.75	10.00	<input checked="" type="checkbox"/>	
9530ex	3.58	Orange	95	4.74	5.62	6.71	9.49	11.62	15.00	<input checked="" type="checkbox"/>	
9540	3.96	Black	95	6.59	7.80	9.32	13.18	16.14	20.84	<input checked="" type="checkbox"/>	
9550	4.37	Bronze	95	8.17	9.67	11.56	16.34	20.02	25.84		<input checked="" type="checkbox"/>
9560	4.72	Dk Green	95	9.76	11.55	13.80	19.52	23.91	30.86		<input checked="" type="checkbox"/>
11003	1.09	Teal	110	0.42	0.57	0.68	0.80	0.99	1.14	<input checked="" type="checkbox"/>	
11006	1.57	Orange	110	0.98	1.15	1.38	1.95	2.39	3.08	<input checked="" type="checkbox"/>	
11008	1.83	Yellow	110	1.28	1.52	1.82	2.57	3.15	4.06	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12006	1.57	Orange	120	0.98	1.15	1.38	1.95	2.39	3.08		
12010	2.03	Grey	120	1.58	1.87	2.24	3.16	3.87	5.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12070	5.16	Black	120	11.34	13.42	16.04	22.68	27.78	35.86	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Custom Flow Rate and Spray Angle available upon request											
PLUGTIP	0.00	Grey	Blank	0.00	0.00	0.00	0.00	0.00	0.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

FLOW RATE – FULL JET (Quick change tips and complete nozzles)

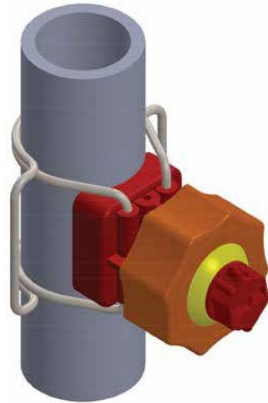
NOZZLE TIP PART	EQUIV ORIFICE DIA.	TIP COLOR	SPRAY ANGLE	CAPACITY LPM AT BAR						AVAIL QC	AVAIL STD
				0.5	0.7	1	2	3	5		
0005	1.45	Grey	0	0.68	0.95	1.17	1.33	1.63	1.90	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0015	2.39	Orange	0	2.01	2.84	3.49	4.02	4.93	5.69	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0020	2.77	Dk Grey	0	2.69	3.79	4.62	5.34	6.56	7.58	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0030	3.58	Dk Green	0	4.02	5.69	6.97	8.03	9.85	11.37	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0040	3.96	Yellow	0	5.34	7.58	9.29	10.73	13.11	15.16	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0050	4.37	Blue	0	6.71	9.48	11.60	13.42	16.41	18.95	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0060	4.72	Grey	0	8.03	11.37	13.95	16.07	19.71	22.74	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0070	5.16	Grey	0	9.36	13.27	16.26	18.76	22.93	26.53	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0080	5.56	Dk Green	0	10.73	15.16	18.57	21.45	26.26	30.32	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0090	5.94	Lt Green	0	12.05	17.06	20.88	24.10	29.52	34.11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
00100	6.35	Orange	0	13.42	18.95	23.19	26.80	32.82	37.90	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
00150	7.24	White	0	20.09	28.43	34.83	40.21	49.27	56.85	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
00200	8.74	Dk Grey	0	26.80	37.90	46.43	53.59	65.64	75.80	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Custom Flow Rate and Spray Angle available upon request											


FLOW RATE – FULL CONE (Quick change tips and complete nozzles)

NOZZLE TIP PART	EQUIV ORIFICE DIA.	TIP COLOR	SPRAY ANGLE	CAPACITY LPM AT BAR						AVAIL QC	AVAIL STD
				0.5	0.7	1	2	3	5		
03FC	1.09	Black	60	0.93	1.11	1.34	1.88	2.30	2.95	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
05FC	1.45	Red	60	1.55	1.85	2.20	3.15	3.84	4.97	<input checked="" type="checkbox"/>	
09FC	2.03	Lt Green	60	2.84	3.34	3.97	5.64	6.90	8.89	<input checked="" type="checkbox"/>	
12FC	2.16	Pink	60	3.77	4.45	5.31	7.52	9.21	11.88	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15FC	2.39	Purple	60	4.70	5.56	6.65	9.40	11.51	14.83	<input checked="" type="checkbox"/>	
16FC	2.49	Blue	40	5.01	5.93	7.08	10.02	12.27	15.84		<input checked="" type="checkbox"/>
17FC	2.59	Yellow	80	5.32	6.30	8.02	10.49	13.42	16.81		<input checked="" type="checkbox"/>
25FC	3.18	Red	40	7.85	9.27	11.05	15.66	19.18	24.72		<input checked="" type="checkbox"/>
27FC	3.30	Pink	45	8.47	10.01	11.96	16.92	20.71	26.70		<input checked="" type="checkbox"/>
28FC	3.35	Red	60	8.78	10.38	12.39	17.54	21.48	27.71	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
29FC	3.53	Dk Green	65	9.09	10.75	12.82	18.15	22.25	28.96		<input checked="" type="checkbox"/>
30FC	3.58	Teal	55	9.40	11.12	13.29	18.80	23.01	29.81		<input checked="" type="checkbox"/>
35FC	3.76	Blue	60	10.95	12.97	15.49	21.91	26.85	34.62		<input checked="" type="checkbox"/>
40FC	3.96	Blue	60	12.42	14.83	17.70	24.95	30.68	39.59		<input checked="" type="checkbox"/>
50FC	4.37	Black	50	15.70	18.53	22.10	31.31	38.35	49.49		<input checked="" type="checkbox"/>
52FC	4.52	Pink	65	16.32	19.27	23.01	32.54	39.89	51.43	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
53FC	4.57	Black	65	16.63	19.65	23.44	32.90	40.66	52.44		<input checked="" type="checkbox"/>
Custom Flow Rate and Spray Angle available upon request											

FLOW RATE – HOLLOW CONE (Quick change tips and complete nozzles)

NOZZLE TIP PART	EQUIV ORIFICE DIA.	TIP COLOR	SPRAY ANGLE	CAPACITY LPM AT BAR						AVAIL QC	AVAIL STD
				0.5	0.7	1	2	3	5		
08HC	1.83	Blue	90	2.53	2.97	3.54	5.03	6.14	7.92		<input checked="" type="checkbox"/>
15HC	2.39	Teal	60	4.70	5.56	6.65	9.40	11.51	14.83	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20HC	2.77	Orange	65	6.25	7.41	8.85	12.51	15.34	19.79		<input checked="" type="checkbox"/>
25HC	3.18	Red	65	7.85	9.27	11.05	15.66	19.18	24.72		<input checked="" type="checkbox"/>
28HC	3.35	Blue	65	8.78	10.38	12.39	17.54	21.48	27.71		<input checked="" type="checkbox"/>
29HC	3.53	Dk Green	50	9.09	10.75	12.82	18.15	22.25	28.86	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
30HC	3.58	Blue	50	9.40	11.12	13.29	18.80	23.01	29.72		<input checked="" type="checkbox"/>
35HC	3.76	Blue	65	10.95	12.97	15.49	21.91	26.85	34.62		<input checked="" type="checkbox"/>
50HC	4.37	Black	65	15.70	18.53	22.10	31.31	38.35	49.69	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3007HC	1.73	Teal	30	2.17	2.59	3.11	4.37	5.37	6.91	<input checked="" type="checkbox"/>	
3011HC	2.11	Dk Green	30	3.46	4.08	4.88	6.87	8.44	10.87	<input checked="" type="checkbox"/>	
3016HC	2.49	Blue	30	5.01	5.93	7.08	10.02	12.27	15.84	<input checked="" type="checkbox"/>	
3020HC	2.77	Red	30	6.25	7.41	8.85	12.51	15.34	19.79	<input checked="" type="checkbox"/>	
3050HC	4.37	Grey	30	15.70	18.53	22.10	31.31	38.35	49.49	<input checked="" type="checkbox"/>	
5007HC	1.73	Beige	50	2.17	2.59	3.11	4.37	5.37	6.91	<input checked="" type="checkbox"/>	
5008HC	1.83	Orange	50	2.53	2.97	3.54	5.03	6.14	7.92	<input checked="" type="checkbox"/>	
5016HC	2.49	Mauve	50	5.01	5.93	7.08	10.02	12.27	15.84	<input checked="" type="checkbox"/>	
5020HC	2.77	Orange	50	6.25	7.41	8.85	12.51	15.34	19.79	<input checked="" type="checkbox"/>	
6018HC	2.57	Pink	60	5.63	6.67	7.95	11.28	13.81	17.82	<input checked="" type="checkbox"/>	
Custom Flow Rate and Spray Angle available upon request											



<p>HOW TO ORDER (tip only)</p>	<p>Spray angle type QC tip spray pattern 8040QC tip flat spray</p>	
<p>HOW TO ORDER (QC BALL only)</p>	<p>QC Ball QC Ball</p>	