

Falcon 6504 Performance Chart

	Radius-ft	Spacing	Performance				PR
	Flow-GPM	Dist-ft	Type	CU	DU	SC	in/hr
Nozzle #4 @ 40 PSI	41 ft	47	TRI	89%	84%	1.2	0.332
			SQ	87%	82%	1.2	0.288
	3.3 GPM	45	TRI	91%	88%	1.1	0.362
			SQ	87%	81%	1.2	0.314
	43	43	TRI	93%	90%	1.1	0.397
			SQ	87%	81%	1.2	0.344
		41	TRI	91%	88%	1.1	0.437
			SQ	87%	81%	1.2	0.378
		39	TRI	88%	85%	1.2	0.483
			SQ	87%	81%	1.3	0.418
	37	TRI	86%	84%	1.2	0.536	
		SQ	88%	84%	1.3	0.464	
	35	35	TRI	88%	83%	1.3	0.599
			SQ	90%	87%	1.1	0.519
Nozzle #4 @ 50 PSI	41 ft	47	TRI	91%	86%	1.2	0.373
			SQ	91%	87%	1.1	0.323
	3.7 GPM	45	TRI	93%	88%	1.1	0.406
			SQ	92%	90%	1.1	0.352
	43	43	TRI	95%	91%	1.1	0.445
			SQ	92%	91%	1.1	0.385
		41	TRI	94%	92%	1.1	0.490
			SQ	91%	88%	1.1	0.424
		39	TRI	92%	90%	1.2	0.541
			SQ	90%	86%	1.2	0.469
	37	TRI	91%	88%	1.2	0.601	
		SQ	90%	87%	1.1	0.521	
	35	35	TRI	91%	87%	1.2	0.672
			SQ	91%	87%	1.1	0.582
Nozzle #4 @ 60 PSI	41 ft	47	TRI	90%	83%	1.2	0.403
			SQ	91%	86%	1.1	0.349
	4.0 GPM	45	TRI	90%	84%	1.2	0.439
			SQ	92%	89%	1.1	0.380
	43	43	TRI	91%	86%	1.1	0.481
			SQ	92%	88%	1.1	0.417
		41	TRI	91%	88%	1.1	0.529
			SQ	91%	87%	1.2	0.458
		39	TRI	91%	88%	1.1	0.585
			SQ	89%	85%	1.2	0.507
	37	TRI	91%	87%	1.2	0.650	
		SQ	89%	85%	1.2	0.563	
	35	35	TRI	91%	87%	1.2	0.726
			SQ	89%	85%	1.2	0.629
Nozzle #4 @ 70 PSI	41 ft	47	TRI	86%	78%	1.3	0.443
			SQ	90%	85%	1.2	0.384
	4.4 GPM	45	TRI	87%	80%	1.2	0.483
			SQ	91%	85%	1.2	0.418
	43	43	TRI	88%	82%	1.2	0.529
			SQ	90%	85%	1.2	0.458
		41	TRI	89%	84%	1.2	0.582
			SQ	89%	84%	1.2	0.504
		39	TRI	90%	83%	1.2	0.643
			SQ	88%	83%	1.2	0.557
	37	TRI	91%	87%	1.2	0.715	
		SQ	88%	83%	1.2	0.619	
	35	35	TRI	92%	87%	1.1	0.799
			SQ	89%	85%	1.2	0.692
Nozzle #4 @ 80 PSI	43 ft	49	TRI	82%	73%	1.2	0.426
			SQ	85%	80%	1.3	0.369
	4.6 GPM	47	TRI	82%	73%	1.2	0.463
			SQ	86%	80%	1.3	0.401
	45	45	TRI	83%	75%	1.2	0.505
			SQ	86%	80%	1.3	0.438
		43	TRI	84%	77%	1.2	0.553
			SQ	85%	79%	1.3	0.479
		41	TRI	85%	79%	1.3	0.609
			SQ	85%	79%	1.2	0.527
	39	TRI	87%	81%	1.2	0.673	
		SQ	85%	79%	1.2	0.582	
	37	37	TRI	89%	84%	1.2	0.747
			SQ	85%	80%	1.2	0.647

	Radius-m	Spacing	Performance				PR
	Flow-m ³ /h	Dist-m	Type	CU	DU	SC	mm/h
Nozzle #4 @ 2.8 Bar	12.5 m	14.3	TRI	89%	84%	1.2	8.4
			SQ	87%	82%	1.2	7.3
	0.75 m ³ /h	13.7	TRI	91%	88%	1.1	9.2
			SQ	87%	81%	1.2	8.0
	13.1	13.1	TRI	93%	90%	1.1	10.1
			SQ	87%	81%	1.2	8.7
	0.21 l/s	12.5	TRI	91%	88%	1.1	11.1
			SQ	87%	81%	1.2	9.6
		11.9	TRI	88%	85%	1.2	12.3
			SQ	87%	81%	1.3	10.6
	11.3	TRI	86%	84%	1.2	13.6	
		SQ	88%	84%	1.3	11.8	
	10.7	10.7	TRI	88%	83%	1.3	15.2
			SQ	90%	87%	1.1	13.2
Nozzle #4 @ 3.4 Bar	12.5 m	14.3	TRI	91%	86%	1.2	9.5
			SQ	91%	87%	1.1	8.2
	0.84 m ³ /h	13.7	TRI	93%	88%	1.1	10.3
			SQ	92%	90%	1.1	8.9
	13.1	13.1	TRI	95%	91%	1.1	11.3
			SQ	92%	91%	1.1	9.8
	0.23 l/s	12.5	TRI	94%	92%	1.1	12.4
			SQ	91%	88%	1.1	10.8
		11.9	TRI	92%	90%	1.2	13.7
			SQ	90%	86%	1.2	11.9
	11.3	TRI	91%	88%	1.2	15.3	
		SQ	90%	87%	1.1	13.2	
	10.7	10.7	TRI	91%	87%	1.2	17.1
			SQ	91%	87%	1.1	14.8
Nozzle #4 @ 4.1 Bar	12.5 m	14.3	TRI	90%	83%	1.2	10.2
			SQ	91%	86%	1.1	8.9
	0.91 m ³ /h	13.7	TRI	90%	84%	1.2	11.2
			SQ	92%	89%	1.1	9.7
	13.1	13.1	TRI	91%	86%	1.1	12.2
			SQ	92%	88%	1.1	10.6
	0.25 l/s	12.5	TRI	91%	88%	1.1	13.4
			SQ	91%	87%	1.2	11.6
		11.9	TRI	91%	88%	1.1	14.9
			SQ	89%	85%	1.2	12.9
	11.3	TRI	91%	87%	1.2	16.5	
		SQ	89%	85%	1.2	14.3	
	10.7	10.7	TRI	91%	87%	1.2	18.4
			SQ	89%	85%	1.2	16.0
Nozzle #4 @ 4.8 Bar	12.5 m	14.3	TRI	86%	78%	1.3	11.3
			SQ	90%	85%	1.2	9.7
	1.00 m ³ /h	13.7	TRI	87%	80%	1.2	12.3
			SQ	91%	85%	1.2	10.6
	13.1	13.1	TRI	88%	82%	1.2	13.4
			SQ	90%	85%	1.2	11.6
	0.28 l/s	12.5	TRI	89%	84%	1.2	14.8
			SQ	89%	84%	1.2	12.8
		11.9	TRI	90%	83%	1.2	16.3
			SQ	88%	83%	1.2	14.2
	11.3	TRI	91%	87%	1.2	18.2	
		SQ	88%	83%	1.2	15.7	
	10.7	10.7	TRI	92%	87%	1.1	20.3
			SQ	89%	85%	1.2	17.6
Nozzle #4 @ 5.5 Bar	13.1 m	14.9	TRI	82%	73%	1.2	10.8
			SQ	85%	80%	1.3	9.4
	1.04 m ³ /h	14.3	TRI	82%	73%	1.2	11.8
			SQ	86%	80%	1.3	10.2
	13.7	13.7	TRI	83%	75%	1.2	12.8
			SQ	86%	80%	1.3	11.1
	0.29 l/s	13.1	TRI	84%	77%	1.2	14.1
			SQ	85%	79%	1.3	12.2
		12.5	TRI	85%	79%	1.3	15.5
			SQ	85%	79%	1.2	13.4
	11.9	TRI	87%	81%	1.2	17.1	
		SQ	85%	79%	1.2	14.8	
	11.3	11.3	TRI	89%	84%	1.2	19.0
			SQ	85%	80%	1.2	16.4

PR = Precipitation Rate; Based on Half Circle (180°) operation.

Falcon 6504 Performance Chart

	Radius-ft	Spacing	Performance				PR
	Flow-GPM	Dist-ft	Type	CU	DU	SC	in/hr
Nozzle #6 @ 40 PSI	45 ft	51	TRI	87%	79%	1.2	0.419
			SQ	82%	76%	1.3	0.363
	4.9 GPM	49	TRI	91%	84%	1.1	0.454
			SQ	81%	84%	1.3	0.393
	47	47	TRI	91%	88%	1.2	0.493
			SQ	81%	71%	1.4	0.427
		45	TRI	87%	83%	1.2	0.538
			SQ	82%	70%	1.4	0.466
		43	TRI	83%	78%	1.3	0.589
			SQ	83%	71%	1.5	0.510
	41	TRI	82%	75%	1.3	0.648	
		SQ	86%	77%	1.5	0.561	
	39	TRI	83%	76%	1.3	0.716	
		SQ	89%	83%	1.2	0.620	
Nozzle #6 @ 50 PSI	49 ft	53	TRI	89%	83%	1.2	0.435
			SQ	91%	87%	1.1	0.377
	5.5 GPM	51	TRI	92%	85%	1.1	0.470
			SQ	90%	87%	1.1	0.407
	49	49	TRI	95%	91%	1.1	0.509
			SQ	89%	85%	1.2	0.441
		47	TRI	96%	95%	1.0	0.554
			SQ	88%	83%	1.2	0.480
		45	TRI	93%	92%	1.1	0.604
			SQ	88%	82%	1.3	0.523
	43	TRI	91%	89%	1.1	0.662	
		SQ	89%	82%	1.3	0.573	
	41	TRI	90%	876%	1.2	0.728	
		SQ	91%	85%	1.2	0.630	
Nozzle #6 @ 60 PSI	47 ft	53	TRI	86%	77%	1.3	0.475
			SQ	88%	84%	1.1	0.411
	6.0 GPM	51	TRI	90%	81%	1.2	0.513
			SQ	87%	86%	1.1	0.444
	49	49	TRI	95%	89%	1.1	0.556
			SQ	86%	85%	1.1	0.481
		47	TRI	95%	95%	1.0	0.604
			SQ	86%	82%	1.2	0.523
		45	TRI	82%	92%	1.1	0.659
			SQ	87%	79%	1.3	0.571
	43	TRI	90%	88%	1.1	0.722	
		SQ	87%	82%	1.3	0.625	
	41	TRI	90%	85%	1.2	0.794	
		SQ	89%	84%	1.2	0.687	
Nozzle #6 @ 70 PSI	49 ft	55	TRI	84%	75%	1.3	0.463
			SQ	90%	82%	1.2	0.401
	6.3 GPM	53	TRI	87%	77%	1.3	0.499
			SQ	89%	84%	1.2	0.432
	51	51	TRI	90%	82%	1.2	0.539
			SQ	88%	82%	1.2	0.467
		49	TRI	93%	88%	1.1	0.584
			SQ	87%	84%	1.2	0.505
		47	TRI	93%	91%	1.1	0.634
			SQ	87%	83%	1.2	0.549
	45	TRI	93%	90%	1.1	0.692	
		SQ	86%	82%	1.2	0.599	
	43	TRI	92%	88%	1.1	0.758	
		SQ	87%	83%	1.2	0.656	
Nozzle #6 @ 80 PSI	49 ft	55	TRI	84%	75%	1.4	0.507
			SQ	88%	82%	1.2	0.439
	6.9 GPM	53	TRI	87%	78%	1.3	0.546
			SQ	88%	83%	1.2	0.473
	51	51	TRI	90%	83%	1.2	0.590
			SQ	87%	83%	1.2	0.511
		49	TRI	91%	87%	1.1	0.639
			SQ	87%	83%	1.2	0.553
		47	TRI	92%	89%	1.1	0.695
			SQ	86%	83%	1.2	0.602
	45	TRI	92%	89%	1.1	0.758	
		SQ	86%	82%	1.2	0.656	
	43	TRI	92%	88%	1.1	0.830	
		SQ	87%	83%	1.2	0.719	

	Radius-m	Spacing	Performance				PR
	Flow-m ³ /h	Dist-m	Type	CU	DU	SC	mm/h
Nozzle #6 @ 2.8 Bar	13.7 m	15.5	TRI	87%	79%	1.2	10.6
			SQ	82%	76%	1.3	9.2
	1.11 m ³ /h	14.9	TRI	91%	84%	1.1	11.5
			SQ	81%	84%	1.3	10.0
	14.3	14.3	TRI	91%	88%	1.2	12.5
			SQ	81%	71%	1.4	10.9
	0.31 l/s	13.7	TRI	87%	83%	1.2	13.7
			SQ	82%	70%	1.4	11.8
		13.1	TRI	83%	78%	1.3	15.0
			SQ	83%	71%	1.5	13.0
	12.5	TRI	82%	75%	1.3	16.5	
		SQ	86%	77%	1.5	14.3	
	11.9	TRI	83%	76%	1.3	18.2	
		SQ	89%	83%	1.2	15.8	
Nozzle #6 @ 3.4 Bar	14.9 m	16.2	TRI	89%	83%	1.2	11.1
			SQ	91%	87%	1.1	9.6
	1.25 m ³ /h	15.5	TRI	92%	85%	1.1	11.9
			SQ	90%	87%	1.1	10.3
	14.9	14.9	TRI	95%	91%	1.1	12.9
			SQ	89%	85%	1.2	11.2
	0.35 l/s	14.3	TRI	96%	95%	1.0	14.1
			SQ	88%	83%	1.2	12.2
		13.7	TRI	93%	92%	1.1	15.3
			SQ	88%	82%	1.3	13.3
	13.1	TRI	91%	89%	1.1	16.8	
		SQ	89%	82%	1.3	14.6	
	12.5	TRI	90%	876%	1.2	18.5	
		SQ	91%	85%	1.2	16.0	
Nozzle #6 @ 4.1 Bar	14.3 m	16.2	TRI	86%	77%	1.3	12.1
			SQ	88%	84%	1.1	10.4
	1.36 m ³ /h	15.5	TRI	90%	81%	1.2	13.0
			SQ	87%	86%	1.1	11.3
	14.9	14.9	TRI	95%	89%	1.1	14.1
			SQ	86%	85%	1.1	12.2
	0.38 l/s	14.3	TRI	95%	95%	1.0	15.3
			SQ	86%	82%	1.2	13.3
		13.7	TRI	82%	92%	1.1	16.7
			SQ	87%	79%	1.3	14.5
	13.1	TRI	90%	88%	1.1	18.3	
		SQ	87%	82%	1.3	15.9	
	12.5	TRI	90%	85%	1.2	20.2	
		SQ	89%	84%	1.2	17.5	
Nozzle #6 @ 4.8 Bar	14.9 m	16.8	TRI	84%	75%	1.3	11.8
			SQ	90%	82%	1.2	10.2
	1.43 m ³ /h	16.2	TRI	87%	77%	1.3	12.7
			SQ	89%	84%	1.2	11.0
	15.5	15.5	TRI	90%	82%	1.2	13.7
			SQ	88%	82%	1.2	11.8
	0.40 l/s	14.9	TRI	93%	88%	1.1	14.8
			SQ	87%	84%	1.2	12.8
		14.3	TRI	93%	91%	1.1	16.1
			SQ	87%	83%	1.2	14.0
	13.7	TRI	93%	90%	1.1	17.6	
		SQ	86%	82%	1.2	15.2	
	13.1	TRI	92%	88%	1.1	19.2	
		SQ	87%	83%	1.2	16.7	
Nozzle #6 @ 5.5 Bar	14.9 m	16.8	TRI	84%	75%	1.4	12.9
			SQ	88%	82%	1.2	11.2
	1.57 m ³ /h	16.2	TRI	87%	78%	1.3	13.9
			SQ	88%	83%	1.2	12.0
	15.5	15.5	TRI	90%	83%	1.2	15.0
			SQ	87%	83%	1.2	13.0
	0.44 l/s	14.9	TRI	91%	87%	1.1	16.2
			SQ	87%	83%	1.2	14.1
		14.3	TRI	92%	89%	1.1	17.6
			SQ	86%	83%	1.2	15.3
	13.7	TRI	92%	89%	1.1	19.2	
		SQ	86%	82%	1.2	16.7	
	13.1	TRI	92%	88%	1.1	21.1	
		SQ	87%	83%	1.2	18.3	

PR = Precipitation Rate; Based on Half Circle (180°) operation.

Falcon 6504 Performance Chart

	Radius-ft	Spacing	Performance				PR
	Flow-GPM	Dist-ft	Type	CU	DU	SC	in/hr
Nozzle #8 @ 40 PSI	49 ft	55	TRI	81%	72%	1.4	0.485
			SQ	80%	75%	1.3	0.420
	6.6 GPM	53	TRI	86%	78%	1.3	0.523
			SQ	78%	74%	1.4	0.453
	51	51	TRI	91%	86%	1.2	0.564
			SQ	77%	70%	1.5	0.489
		49	TRI	91%	86%	1.2	0.611
			SQ	77%	65%	1.7	0.529
		47	TRI	88%	81%	1.3	0.664
			SQ	78%	63%	1.8	0.575
	45	TRI	83%	74%	1.4	0.725	
		SQ	81%	66%	1.8	0.628	
	43	TRI	80%	70%	1.5	0.794	
		SQ	85%	72%	1.7	0.687	
Nozzle #8 @ 50 PSI	51 ft	57	TRI	81%	73%	1.4	0.507
			SQ	84%	78%	1.3	0.439
	7.4 GPM	55	TRI	86%	77%	1.4	0.544
			SQ	82%	81%	1.2	0.471
	53	53	TRI	90%	83%	1.3	0.586
			SQ	81%	78%	1.3	0.507
		51	TRI	94%	89%	1.2	0.633
			SQ	80%	74%	1.4	0.548
		49	TRI	93%	90%	1.1	0.685
			SQ	81%	70%	1.6	0.594
	47	TRI	89%	84%	1.2	0.745	
		SQ	82%	70%	1.6	0.645	
	45	TRI	85%	79%	1.3	0.813	
		SQ	85%	74%	1.6	0.704	
Nozzle #8 @ 60 PSI	51 ft	57	TRI	82%	72%	1.4	0.561
			SQ	84%	77%	1.3	0.486
	8.2 GPM	55	TRI	86%	77%	1.4	0.603
			SQ	83%	80%	1.2	0.522
	53	53	TRI	90%	82%	1.3	0.649
			SQ	82%	80%	1.3	0.562
		51	TRI	94%	88%	1.2	0.701
			SQ	81%	78%	1.5	0.607
		49	TRI	95%	93%	1.1	0.760
			SQ	82%	74%	1.5	0.658
	47	TRI	92%	88%	1.1	0.826	
		SQ	84%	74%	1.5	0.715	
	45	TRI	88%	83%	1.2	0.901	
		SQ	86%	76%	1.3	0.780	
Nozzle #8 @ 70 PSI	51 ft	57	TRI	83%	73%	1.4	0.609
			SQ	84%	77%	1.3	0.528
	8.9 GPM	55	TRI	87%	78%	1.4	0.654
			SQ	83%	80%	1.3	0.567
	53	53	TRI	91%	84%	1.2	0.705
			SQ	82%	80%	1.2	0.610
		51	TRI	95%	90%	1.1	0.761
			SQ	82%	78%	1.0	0.659
		49	TRI	94%	92%	1.1	0.824
			SQ	83%	75%	1.4	0.714
	47	TRI	91%	89%	1.2	0.896	
		SQ	84%	76%	1.5	0.776	
	45	TRI	89%	84%	1.2	0.977	
		SQ	87%	79%	1.4	0.846	
Nozzle #8 @ 80 PSI	53 ft	59	TRI	72%	66%	1.6	0.601
			SQ	77%	61%	1.5	0.520
	9.4 GPM	57	TRI	75%	64%	1.6	0.643
			SQ	78%	68%	1.5	0.557
	55	55	TRI	78%	68%	1.5	0.691
			SQ	79%	71%	1.4	0.598
		53	TRI	82%	73%	1.4	0.744
			SQ	80%	74%	1.4	0.645
		51	TRI	86%	78%	1.3	0.804
			SQ	81%	76%	1.3	0.696
	47	TRI	90%	84%	1.2	0.946	
		SQ	81%	79%	1.3	0.820	
	47	TRI	92%	88%	1.1	0.946	
		SQ	81%	79%	1.3	0.820	

	Radius-m	Spacing	Performance				PR
	Flow-m ³ /h	Dist-m	Type	CU	DU	SC	mm/h
Nozzle #8 @ 2.8 Bar	14.9 m	16.8	TRI	81%	72%	1.4	12.3
			SQ	80%	75%	1.3	10.7
	1.50 m ³ /h	16.2	TRI	86%	78%	1.3	13.3
			SQ	78%	74%	1.4	11.5
	0.42 l/s	15.5	TRI	91%	86%	1.2	14.3
			SQ	77%	70%	1.5	12.4
		14.9	TRI	91%	86%	1.2	15.5
			SQ	77%	65%	1.7	13.4
		14.3	TRI	88%	81%	1.3	16.9
			SQ	78%	63%	1.8	14.6
	13.7	TRI	83%	74%	1.4	18.4	
		SQ	81%	66%	1.8	15.9	
	13.1	TRI	80%	70%	1.5	20.2	
		SQ	85%	72%	1.7	17.5	
Nozzle #8 @ 3.4 Bar	15.5 m	17.4	TRI	81%	73%	1.4	12.9
			SQ	84%	78%	1.3	11.1
	1.68 m ³ /h	16.8	TRI	86%	77%	1.4	13.8
			SQ	82%	81%	1.2	12.0
	0.47 l/s	16.2	TRI	90%	83%	1.3	14.9
			SQ	81%	78%	1.3	12.9
		15.5	TRI	94%	89%	1.2	16.1
			SQ	80%	74%	1.4	13.9
		14.9	TRI	93%	90%	1.1	17.4
			SQ	81%	70%	1.6	15.1
	14.3	TRI	89%	84%	1.2	18.9	
		SQ	82%	70%	1.6	16.4	
	13.7	TRI	85%	79%	1.3	20.6	
		SQ	85%	74%	1.6	17.9	
Nozzle #8 @ 4.1 Bar	15.5 m	17.4	TRI	82%	72%	1.4	14.3
			SQ	84%	77%	1.3	12.3
	1.86 m ³ /h	16.8	TRI	86%	77%	1.4	15.3
			SQ	83%	80%	1.2	13.3
	0.52 l/s	16.2	TRI	90%	82%	1.3	16.5
			SQ	82%	80%	1.3	14.3
		15.5	TRI	94%	88%	1.2	17.8
			SQ	81%	78%	1.5	15.4
		14.9	TRI	95%	93%	1.1	19.3
			SQ	82%	74%	1.5	16.7
	14.3	TRI	92%	88%	1.1	21.0	
		SQ	84%	74%	1.5	18.2	
	13.7	TRI	88%	83%	1.2	22.9	
		SQ	86%	76%	1.3	19.8	
Nozzle #8 @ 4.8 Bar	15.5 m	17.4	TRI	83%	73%	1.4	15.5
			SQ	84%	77%	1.3	13.4
	2.02 m ³ /h	16.8	TRI	87%	78%	1.4	16.6
			SQ	83%	80%	1.3	14.4
	0.56 l/s	16.2	TRI	91%	84%	1.2	17.9
			SQ	82%	80%	1.2	15.5
		15.5	TRI	95%	90%	1.1	19.3
			SQ	82%	78%	1.0	16.7
		14.9	TRI	94%	92%	1.1	20.9
			SQ	83%	75%	1.4	18.1
	14.3	TRI	91%	89%	1.2	22.8	
		SQ	84%	76%	1.5	19.7	
	13.7	TRI	89%	84%	1.2	24.8	
		SQ	87%	79%	1.4	21.5	
Nozzle #8 @ 5.5 Bar	16.2 m	18.0	TRI	72%	66%	1.6	15.3
			SQ	77%	61%	1.5	13.2
	2.13 m ³ /h	17.4	TRI	75%	64%	1.6	16.3
			SQ	78%	68%	1.5	14.2
	0.59 l/s	16.8	TRI	78%	68%	1.5	17.6
			SQ	79%	71%	1.4	15.2
		16.2	TRI	82%	73%	1.4	18.9
			SQ	80%	74%	1.4	16.4
		15.5	TRI	86%	78%	1.3	20.4
			SQ	81%	76%	1.3	17.7
	14.3	TRI	90%	84%	1.2	24.0	
		SQ	81%	79%	1.3	20.8	
	14.3	TRI	92%	88%	1.1	24.0	
		SQ	81%	79%	1.3	20.8	

PR = Precipitation Rate; Based on Half Circle (180°) operation.

Falcon 6504 Performance Chart

	Radius-ft	Spacing	Performance				PR
	Flow-GPM	Dist-ft	Type	CU	DU	SC	in/hr
Nozzle #10 @ 40 PSI	51 ft	57	TRI	80%	68%	1.5	0.554
			SQ	78%	74%	1.3	0.480
	8.1 GPM	55	TRI	86%	74%	1.5	0.596
			SQ	77%	73%	1.3	0.516
	53	53	TRI	91%	84%	1.3	0.641
			SQ	76%	71%	1.4	0.555
		51	TRI	92%	87%	1.1	0.693
			SQ	76%	67%	1.6	0.600
		49	TRI	90%	85%	1.2	0.750
			SQ	78%	64%	1.8	0.650
		47	TRI	86%	78%	1.3	0.816
			SQ	81%	66%	1.9	0.706
	45	TRI	82%	72%	1.4	0.890	
		SQ	85%	72%	1.7	0.770	
Nozzle #10 @ 50 PSI	53 ft	59	TRI	80%	69%	1.5	0.581
			SQ	81%	74%	1.4	0.503
	9.1 GPM	57	TRI	85%	74%	1.4	0.623
			SQ	80%	78%	1.3	0.539
	55	55	TRI	91%	82%	1.4	0.669
			SQ	80%	79%	1.3	0.579
		53	TRI	94%	89%	1.2	0.720
			SQ	80%	75%	1.4	0.624
		51	TRI	95%	92%	1.1	0.778
			SQ	81%	71%	1.5	0.674
		49	TRI	91%	88%	1.2	0.843
			SQ	83%	71%	1.7	0.730
	47	TRI	88%	82%	1.2	0.916	
		SQ	85%	75%	1.6	0.793	
Nozzle #10 @ 60 PSI	55 ft	61	TRI	76%	65%	1.6	0.598
			SQ	79%	70%	1.4	0.518
	10.0 GPM	59	TRI	79%	69%	1.5	0.639
			SQ	80%	73%	1.4	0.553
	57	57	TRI	83%	74%	1.4	0.685
			SQ	81%	76%	1.3	0.593
		55	TRI	87%	81%	1.3	0.735
			SQ	81%	78%	1.3	0.637
		53	TRI	91%	86%	1.2	0.792
			SQ	81%	78%	1.3	0.686
		51	TRI	94%	90%	1.1	0.855
			SQ	81%	77%	1.3	0.740
	49	TRI	94%	90%	1.1	0.926	
		SQ	83%	77%	1.4	0.802	
Nozzle #10 @ 70 PSI	57 ft	63	TRI	72%	63%	1.6	0.605
			SQ	77%	67%	1.5	0.524
	10.8 GPM	61	TRI	75%	65%	1.6	0.646
			SQ	77%	70%	1.4	0.559
	59	59	TRI	78%	69%	1.5	0.690
			SQ	78%	72%	1.4	0.598
		57	TRI	81%	74%	1.4	0.739
			SQ	79%	74%	1.3	0.640
		55	TRI	85%	80%	1.3	0.794
			SQ	80%	76%	1.3	0.688
		53	TRI	89%	84%	1.2	0.855
			SQ	80%	78%	1.3	0.741
	51	TRI	91%	87%	1.1	0.923	
		SQ	81%	78%	1.3	0.800	
Nozzle #10 @ 80 PSI	55 ft	61	TRI	74%	66%	1.5	0.693
			SQ	76%	70%	1.5	0.600
	11.6 GPM	59	TRI	78%	70%	1.5	0.741
			SQ	77%	72%	1.4	0.642
	57	57	TRI	81%	75%	1.4	0.794
			SQ	79%	74%	1.4	0.688
		55	TRI	85%	80%	1.3	0.853
			SQ	80%	76%	1.3	0.739
		53	TRI	89%	84%	1.2	0.918
			SQ	80%	79%	1.3	0.795
		51	TRI	91%	87%	1.2	0.992
			SQ	81%	79%	1.3	0.859
	49	TRI	93%	88%	1.1	1.074	
		SQ	83%	80%	1.3	0.931	

	Radius-m	Spacing	Performance				PR	
	Flow-m ³ /h	Dist-m	Type	CU	DU	SC	mm/h	
Nozzle #10 @ 2.8 Bar	15.5 m	17.4	TRI	80%	68%	1.5	14.1	
			SQ	78%	74%	1.3	12.2	
	1.84 m ³ /h	16.8	TRI	86%	74%	1.5	15.1	
			SQ	77%	73%	1.3	13.1	
	16.2	16.2	TRI	91%	84%	1.3	16.3	
			SQ	76%	71%	1.4	14.1	
		0.51	15.5	TRI	92%	87%	1.1	17.6
				SQ	76%	67%	1.6	15.2
		14.9	TRI	90%	85%	1.2	19.1	
			SQ	78%	64%	1.8	16.5	
		14.3	TRI	86%	78%	1.3	20.7	
			SQ	81%	66%	1.9	17.9	
	13.7	TRI	82%	72%	1.4	22.6		
		SQ	85%	72%	1.7	19.6		
Nozzle #10 @ 3.4 Bar	16.2 m	18.0	TRI	80%	69%	1.5	14.8	
			SQ	81%	74%	1.4	12.8	
	2.07 m ³ /h	17.4	TRI	85%	74%	1.4	15.8	
			SQ	80%	78%	1.3	13.7	
	16.8	16.8	TRI	91%	82%	1.4	17.0	
			SQ	80%	79%	1.3	14.7	
		0.57	16.2	TRI	94%	89%	1.2	18.3
				SQ	80%	75%	1.4	15.8
		15.5	TRI	95%	92%	1.1	19.8	
			SQ	81%	71%	1.5	17.1	
		14.9	TRI	91%	88%	1.2	21.4	
			SQ	83%	71%	1.7	18.5	
	14.3	TRI	88%	82%	1.2	23.3		
		SQ	85%	75%	1.6	20.2		
Nozzle #10 @ 4.1 Bar	16.8 m	18.6	TRI	76%	65%	1.6	15.2	
			SQ	79%	70%	1.4	13.1	
	2.27 m ³ /h	18.0	TRI	79%	69%	1.5	16.2	
			SQ	80%	73%	1.4	14.1	
	17.4	17.4	TRI	83%	74%	1.4	17.4	
			SQ	81%	76%	1.3	15.1	
		0.63	16.8	TRI	87%	81%	1.3	18.7
				SQ	81%	78%	1.3	16.2
		16.2	TRI	91%	86%	1.2	20.1	
			SQ	81%	78%	1.3	17.4	
		15.5	TRI	94%	90%	1.1	21.7	
			SQ	81%	77%	1.3	18.8	
	14.9	TRI	94%	90%	1.1	23.5		
		SQ	83%	77%	1.4	20.4		
Nozzle #10 @ 4.8 Bar	17.4 m	19.2	TRI	72%	63%	1.6	15.4	
			SQ	77%	67%	1.5	13.3	
	2.45 m ³ /h	18.6	TRI	75%	65%	1.6	16.4	
			SQ	77%	70%	1.4	14.2	
	18.0	18.0	TRI	78%	69%	1.5	17.5	
			SQ	78%	72%	1.4	15.2	
		0.68	17.4	TRI	81%	74%	1.4	18.8
				SQ	79%	74%	1.3	16.3
		16.8	TRI	85%	80%	1.3	20.2	
			SQ	80%	76%	1.3	17.5	
		16.2	TRI	89%	84%	1.2	21.7	
			SQ	80%	78%	1.3	18.8	
	15.5	TRI	91%	87%	1.1	23.5		
		SQ	81%	78%	1.3	20.3		
Nozzle #10 @ 5.5 Bar	16.8 m	18.6	TRI	74%	66%	1.5	17.6	
			SQ	76%	70%	1.5	15.3	
	2.63 m ³ /h	18.0	TRI	78%	70%	1.5	18.8	
			SQ	77%	72%	1.4	16.3	
	17.4	17.4	TRI	81%	75%	1.4	20.2	
			SQ	79%	74%	1.4	17.5	
		0.73	16.8	TRI	85%	80%	1.3	21.7
				SQ	80%	76%	1.3	18.8
		16.2	TRI	89%	84%	1.2	23.3	
			SQ	80%	79%	1.3	20.2	
		15.5	TRI	91%	87%	1.2	25.2	
			SQ	81%	79%	1.3	21.8	
	14.9	TRI	93%	88%	1.1	27.3		
		SQ	83%	80%	1.3	23.6		

PR = Precipitation Rate; Based on Half Circle (180°) operation.

Falcon 6504 Performance Chart

	Radius-ft	Spacing	Performance				PR
	Flow-GPM	Dist-ft	Type	CU	DU	SC	in/hr
Nozzle #12 @ 40 PSI	53 ft	59	TRI	85%	75%	1.5	0.620
			SQ	75%	71%	1.4	0.537
	9.7 GPM	57	TRI	91%	83%	1.3	0.664
			SQ	74%	67%	1.4	0.575
	55	55	TRI	91%	85%	1.2	0.713
			SQ	74%	64%	1.6	0.618
		53	TRI	88%	82%	1.2	0.768
			SQ	76%	62%	1.7	0.665
		51	TRI	84%	76%	1.4	0.829
			SQ	79%	63%	1.9	0.718
	49	TRI	81%	71%	1.5	0.898	
		SQ	83%	69%	1.8	0.778	
	47	TRI	79%	68%	1.6	0.977	
		SQ	88%	77%	1.5	0.846	
Nozzle #12 @ 50 PSI	55 ft	61	TRI	84%	73%	1.4	0.657
			SQ	79%	76%	1.3	0.569
	11.0 GPM	59	TRI	90%	81%	1.2	0.703
			SQ	78%	77%	1.3	0.609
	57	57	TRI	94%	88%	1.1	0.753
			SQ	78%	73%	1.4	0.652
		55	TRI	95%	91%	1.1	0.809
			SQ	79%	70%	1.5	0.700
		53	TRI	91%	88%	1.1	0.871
			SQ	81%	69%	1.6	0.754
	51	TRI	88%	82%	1.2	0.941	
		SQ	84%	72%	1.6	0.815	
	49	TRI	86%	78%	1.3	1.019	
		SQ	87%	77%	1.5	0.882	
Nozzle #12 @ 60 PSI	57 ft	63	TRI	81%	69%	1.5	0.684
			SQ	81%	74%	1.4	0.592
	12.2 GPM	61	TRI	85%	75%	1.5	0.729
			SQ	80%	76%	1.3	0.631
	59	59	TRI	90%	82%	1.3	0.779
			SQ	80%	78%	1.3	0.675
		57	TRI	93%	88%	1.2	0.835
			SQ	80%	77%	1.3	0.723
		55	TRI	95%	91%	1.1	0.897
			SQ	81%	75%	1.4	0.777
	53	TRI	93%	90%	1.1	0.966	
		SQ	83%	75%	1.5	0.836	
	51	TRI	91%	86%	1.2	1.043	
		SQ	85%	77%	1.5	0.903	
Nozzle #12 @ 70 PSI	59 ft	65	TRI	79%	70%	1.5	0.695
			SQ	79%	73%	1.4	0.602
	13.2 GPM	63	TRI	83%	74%	1.4	0.740
			SQ	80%	76%	1.3	0.641
	61	61	TRI	86%	80%	1.3	0.789
			SQ	80%	78%	1.3	0.683
		59	TRI	90%	85%	1.2	0.843
			SQ	80%	79%	1.2	0.730
		57	TRI	93%	89%	1.1	0.904
			SQ	81%	78%	1.3	0.782
	55	TRI	95%	91%	1.1	0.970	
		SQ	82%	77%	1.4	0.840	
	53	TRI	94%	89%	1.1	1.045	
		SQ	84%	78%	1.4	0.905	
Nozzle #12 @ 80 PSI	61 ft	67	TRI	72%	63%	1.6	0.694
			SQ	75%	66%	1.5	0.601
	14.0 GPM	65	TRI	75%	66%	1.5	0.737
			SQ	76%	69%	1.5	0.638
	63	63	TRI	78%	70%	1.5	0.784
			SQ	77%	71%	1.4	0.679
		61	TRI	81%	75%	1.4	0.837
			SQ	78%	74%	1.4	0.725
		59	TRI	85%	80%	1.3	0.894
			SQ	79%	76%	1.3	0.775
	57	TRI	89%	84%	1.2	0.958	
		SQ	79%	78%	1.3	0.830	
	55	TRI	92%	88%	1.1	1.029	
		SQ	80%	79%	1.3	0.891	

	Radius-m	Spacing	Performance				PR	
	Flow-m ³ /h	Dist-m	Type	CU	DU	SC	mm/h	
Nozzle #12 @ 2.8 Bar	16.2 m	18.0	TRI	85%	75%	1.5	15.7	
			SQ	75%	71%	1.4	13.6	
	2.20 m ³ /h	17.4	TRI	91%	83%	1.3	16.9	
			SQ	74%	67%	1.4	14.6	
	16.8	16.8	TRI	91%	85%	1.2	18.1	
			SQ	74%	64%	1.6	15.7	
		0.61 l/s	16.2	TRI	88%	82%	1.2	19.5
				SQ	76%	62%	1.7	16.9
		15.5	TRI	84%	76%	1.4	21.1	
			SQ	79%	63%	1.9	18.2	
	14.9	TRI	81%	71%	1.5	22.8		
		SQ	83%	69%	1.8	19.8		
	14.3	TRI	79%	68%	1.6	24.8		
		SQ	88%	77%	1.5	21.5		
Nozzle #12 @ 3.4 Bar	16.8 m	18.6	TRI	84%	73%	1.4	16.7	
			SQ	79%	76%	1.3	14.5	
	2.50 m ³ /h	18.0	TRI	90%	81%	1.2	17.9	
			SQ	78%	77%	1.3	15.5	
	17.4	17.4	TRI	94%	88%	1.1	19.1	
			SQ	78%	73%	1.4	16.6	
		0.69 l/s	16.8	TRI	95%	91%	1.1	20.5
				SQ	79%	70%	1.5	17.8
		16.2	TRI	91%	88%	1.1	22.1	
			SQ	81%	69%	1.6	19.2	
	15.5	TRI	88%	82%	1.2	23.9		
		SQ	84%	72%	1.6	20.7		
	14.9	TRI	86%	78%	1.3	25.9		
		SQ	87%	77%	1.5	22.4		
Nozzle #12 @ 4.1 Bar	17.4 m	19.2	TRI	81%	69%	1.5	17.4	
			SQ	81%	74%	1.4	15.0	
	2.77 m ³ /h	18.6	TRI	85%	75%	1.5	18.5	
			SQ	80%	76%	1.3	16.0	
	18.0	18.0	TRI	90%	82%	1.3	19.8	
			SQ	80%	78%	1.3	17.1	
		0.77 l/s	17.4	TRI	93%	88%	1.2	21.2
				SQ	80%	77%	1.3	18.4
		16.8	TRI	95%	91%	1.1	22.8	
			SQ	81%	75%	1.4	19.7	
	16.2	TRI	93%	90%	1.1	24.5		
		SQ	83%	75%	1.5	21.2		
	15.5	TRI	91%	86%	1.2	26.5		
		SQ	85%	77%	1.5	22.9		
Nozzle #12 @ 4.8 Bar	18.0 m	19.8	TRI	79%	70%	1.5	17.6	
			SQ	79%	73%	1.4	15.3	
	3.00 m ³ /h	19.2	TRI	83%	74%	1.4	18.8	
			SQ	80%	76%	1.3	16.3	
	18.6	18.6	TRI	86%	80%	1.3	20.0	
			SQ	80%	78%	1.3	17.4	
		0.83 l/s	18.0	TRI	90%	85%	1.2	21.4
				SQ	80%	79%	1.2	18.6
		17.4	TRI	93%	89%	1.1	23.0	
			SQ	81%	78%	1.3	19.9	
	16.8	TRI	95%	91%	1.1	24.7		
		SQ	82%	77%	1.4	21.3		
	16.2	TRI	94%	89%	1.1	26.5		
		SQ	84%	78%	1.4	23.0		
Nozzle #12 @ 5.5 Bar	18.6 m	20.4	TRI	72%	63%	1.6	17.6	
			SQ	75%	66%	1.5	15.3	
	3.18 m ³ /h	19.8	TRI	75%	66%	1.5	18.7	
			SQ	76%	69%	1.5	16.2	
	19.2	19.2	TRI	78%	70%	1.5	19.9	
			SQ	77%	71%	1.4	17.3	
		0.88 l/s	18.6	TRI	81%	75%	1.4	21.3
				SQ	78%	74%	1.4	18.4
		18.0	TRI	85%	80%	1.3	22.7	
			SQ	79%	76%	1.3	19.7	
	17.4	TRI	89%	84%	1.2	24.3		
		SQ	79%	78%	1.3	21.1		
	16.8	TRI	92%	88%	1.1	26.1		
		SQ	80%	79%	1.3	22.6		

PR = Precipitation Rate; Based on Half Circle (180°) operation.

Falcon 6504 Performance Chart

	Radius-ft	Spacing	Performance				PR
	Flow-GPM	Dist-ft	Type	CU	DU	SC	in/hr
Nozzle #14 @ 40 PSI	55 ft	61	TRI	81%	68%	1.7	0.675
			SQ	75%	71%	1.5	0.585
	11.3 GPM	59	TRI	88%	76%	1.5	0.722
			SQ	74%	70%	1.4	0.625
	57	TRI	92%	85%	1.3	0.774	
		SQ	73%	68%	1.4	0.670	
	55	TRI	90%	86%	1.1	0.831	
	SQ	75%	65%	1.6	0.719		
	53	TRI	87%	85%	1.2	0.895	
		SQ	78%	64%	1.8	0.775	
51	TRI	84%	79%	1.3	0.966		
	SQ	82%	68%	1.8	0.837		
49	TRI	83%	74%	1.4	1.047		
	SQ	86%	75%	1.6	0.906		
Nozzle #14 @ 50 PSI	59 ft	65	TRI	78%	66%	1.6	0.669
			SQ	78%	71%	1.4	0.579
	12.7 GPM	63	TRI	84%	70%	1.6	0.712
			SQ	78%	72%	1.4	0.616
	61	TRI	88%	79%	1.5	0.759	
		SQ	77%	74%	1.4	0.657	
	59	TRI	92%	86%	1.3	0.811	
	SQ	77%	74%	1.3	0.703		
	57	TRI	93%	90%	1.1	0.869	
		SQ	78%	71%	1.5	0.753	
55	TRI	93%	90%	1.1	0.934		
	SQ	81%	70%	1.6	0.809		
53	TRI	90%	85%	1.2	1.006		
	SQ	83%	73%	1.6	0.871		
Nozzle #14 @ 60 PSI	61 ft	67	TRI	76%	66%	1.6	0.694
			SQ	78%	69%	1.5	0.601
	14.0 GPM	65	TRI	79%	69%	1.6	0.737
			SQ	79%	72%	1.4	0.638
	63	TRI	83%	74%	1.5	0.784	
		SQ	80%	73%	1.4	0.679	
	61	TRI	87%	80%	1.4	0.837	
	SQ	79%	75%	1.3	0.725		
	59	TRI	90%	85%	1.2	0.894	
		SQ	80%	77%	1.3	0.775	
57	TRI	92%	88%	1.1	0.958		
	SQ	80%	77%	1.3	0.830		
55	TRI	94%	89%	1.1	1.029		
	SQ	82%	77%	1.4	0.891		
Nozzle #14 @ 70 PSI	61 ft	67	TRI	73%	62%	1.7	0.753
			SQ	75%	66%	1.5	0.652
	15.2 GPM	65	TRI	76%	66%	1.6	0.800
			SQ	76%	69%	1.5	0.693
	63	TRI	79%	71%	1.6	0.852	
		SQ	77%	71%	1.4	0.738	
	61	TRI	82%	76%	1.4	0.908	
	SQ	78%	72%	1.4	0.787		
	59	TRI	86%	81%	1.3	0.971	
		SQ	78%	74%	1.3	0.841	
57	TRI	89%	85%	1.1	1.040		
	SQ	79%	77%	1.3	0.901		
55	TRI	92%	87%	1.1	1.118		
	SQ	80%	78%	1.3	0.968		
Nozzle #14 @ 80 PSI	61 ft	67	TRI	72%	62%	1.7	0.803
			SQ	74%	66%	1.5	0.695
	16.2 GPM	65	TRI	75%	66%	1.6	0.853
			SQ	75%	69%	1.5	0.738
	63	TRI	78%	71%	1.5	0.908	
		SQ	76%	70%	1.4	0.786	
	61	TRI	82%	76%	1.4	0.968	
	SQ	78%	72%	1.4	0.839		
	59	TRI	86%	80%	1.3	1.035	
		SQ	78%	75%	1.3	0.896	
57	TRI	89%	84%	1.2	1.109		
	SQ	79%	78%	1.3	0.960		
55	TRI	92%	87%	1.1	1.191		
	SQ	80%	79%	1.3	1.031		

	Radius-m	Spacing	Performance				PR
	Flow-m ³ /h	Dist-m	Type	CU	DU	SC	mm/h
Nozzle #14 @ 2.8 Bar	16.8 m	18.6	TRI	81%	68%	1.7	17.2
			SQ	75%	71%	1.5	14.9
	2.57 m ³ /h	18.0	TRI	88%	76%	1.5	18.3
			SQ	74%	70%	1.4	15.9
	17.4	TRI	92%	85%	1.3	19.6	
		SQ	73%	68%	1.4	17.0	
	0.71 l/s	16.8	TRI	90%	86%	1.1	21.1
	SQ	75%	65%	1.6	18.3		
	16.2	TRI	87%	85%	1.2	22.7	
		SQ	78%	64%	1.8	19.7	
15.5	TRI	84%	79%	1.3	24.5		
	SQ	82%	68%	1.8	21.3		
14.9	TRI	83%	74%	1.4	26.6		
	SQ	86%	75%	1.6	23.0		
Nozzle #14 @ 3.4 Bar	18.0 m	19.8	TRI	78%	66%	1.6	17.0
			SQ	78%	71%	1.4	14.7
	2.88 m ³ /h	19.2	TRI	84%	70%	1.6	18.1
			SQ	78%	72%	1.4	15.7
	18.6	TRI	88%	79%	1.5	19.3	
		SQ	77%	74%	1.4	16.7	
	0.80 l/s	18.0	TRI	92%	86%	1.3	20.6
	SQ	77%	74%	1.3	17.8		
	17.4	TRI	93%	90%	1.1	22.1	
		SQ	78%	71%	1.5	19.1	
16.8	TRI	93%	90%	1.1	23.7		
	SQ	81%	70%	1.6	20.5		
16.2	TRI	90%	85%	1.2	25.5		
	SQ	83%	73%	1.6	22.1		
Nozzle #14 @ 4.1 Bar	18.6 m	20.4	TRI	76%	66%	1.6	17.6
			SQ	78%	69%	1.5	15.3
	3.18 m ³ /h	19.8	TRI	79%	69%	1.6	18.7
			SQ	79%	72%	1.4	16.2
	19.2	TRI	83%	74%	1.5	19.9	
		SQ	80%	73%	1.4	17.3	
	0.88 l/s	18.6	TRI	87%	80%	1.4	21.3
	SQ	79%	75%	1.3	18.4		
	18.0	TRI	90%	85%	1.2	22.7	
		SQ	80%	77%	1.3	19.7	
17.4	TRI	92%	88%	1.1	24.3		
	SQ	80%	77%	1.3	21.1		
16.8	TRI	94%	89%	1.1	26.1		
	SQ	82%	77%	1.4	22.6		
Nozzle #14 @ 4.8 Bar	18.6 m	20.4	TRI	73%	62%	1.7	19.1
			SQ	75%	66%	1.5	16.6
	3.45 m ³ /h	19.8	TRI	76%	66%	1.6	20.3
			SQ	76%	69%	1.5	17.6
	19.2	TRI	79%	71%	1.6	21.6	
		SQ	77%	71%	1.4	18.7	
	0.96 l/s	18.6	TRI	82%	76%	1.4	23.1
	SQ	78%	72%	1.4	20.0		
	18.0	TRI	86%	81%	1.3	24.7	
		SQ	78%	74%	1.3	21.4	
17.4	TRI	89%	85%	1.1	26.4		
	SQ	79%	77%	1.3	22.9		
16.8	TRI	92%	87%	1.1	28.4		
	SQ	80%	78%	1.3	24.6		
Nozzle #14 @ 5.5 Bar	18.6 m	20.4	TRI	72%	62%	1.7	20.4
			SQ	74%	66%	1.5	17.7
	3.68 m ³ /h	19.8	TRI	75%	66%	1.6	21.7
			SQ	75%	69%	1.5	18.8
	19.2	TRI	78%	71%	1.5	23.1	
		SQ	76%	70%	1.4	20.0	
	1.02 l/s	18.6	TRI	82%	76%	1.4	24.6
	SQ	78%	72%	1.4	21.3		
	18.0	TRI	86%	80%	1.3	26.3	
		SQ	78%	75%	1.3	22.8	
17.4	TRI	89%	84%	1.2	28.2		
	SQ	79%	78%	1.3	24.4		
16.8	TRI	92%	87%	1.1	30.3		
	SQ	80%	79%	1.3	26.2		

PR = Precipitation Rate; Based on Half Circle (180°) operation.

Falcon 6504 Performance Chart

	Radius-ft	Spacing	Performance				PR
	Flow-GPM	Dist-ft	Type	CU	DU	SC	in/hr
Nozzle #16 @ 40 PSI	55 ft	61	TRI	71%	67%	1.7	0.753
			SQ	87%	75%	1.5	0.652
	12.6 GPM	59	TRI	71%	64%	1.4	0.805
			SQ	90%	83%	1.5	0.697
	57	TRI	72%	62%	1.1	0.863	
		SQ	86%	83%	1.7	0.747	
	55	TRI	76%	61%	1.2	0.926	
	SQ	83%	81%	1.8	0.802		
	53	TRI	80%	65%	1.3	0.998	
		SQ	81%	77%	1.9	0.864	
51	TRI	85%	74%	1.4	1.077		
	SQ	81%	72%	1.7	0.933		
49	TRI	89%	82%	1.5	1.167		
	SQ	81%	69%	1.3	1.011		
Nozzle #16 @ 50 PSI	61 ft	67	TRI	80%	72%	1.7	0.708
			SQ	81%	68%	1.5	0.614
	14.3 GPM	65	TRI	78%	73%	1.6	0.753
			SQ	85%	73%	1.4	0.652
	63	TRI	78%	74%	1.5	0.801	
		SQ	90%	80%	1.4	0.694	
	61	TRI	78%	73%	1.3	0.855	
	SQ	93%	86%	1.3	0.740		
	59	TRI	79%	72%	1.1	0.914	
		SQ	93%	89%	1.4	0.791	
57	TRI	82%	73%	1.1	0.979		
	SQ	91%	89%	1.5	0.848		
55	TRI	84%	75%	1.2	1.051		
	SQ	89%	86%	1.5	0.910		
Nozzle #16 @ 60 PSI	63 ft	69	TRI	80%	71%	1.7	0.733
			SQ	79%	66%	1.4	0.635
	15.7 GPM	67	TRI	80%	72%	1.6	0.778
			SQ	83%	71%	1.3	0.674
	65	TRI	80%	73%	1.5	0.826	
		SQ	86%	77%	1.3	0.716	
	63	TRI	80%	74%	1.4	0.880	
	SQ	89%	83%	1.3	0.762		
	61	TRI	80%	75%	1.2	0.938	
		SQ	91%	86%	1.3	0.813	
59	TRI	81%	76%	1.1	1.003		
	SQ	93%	88%	1.3	0.869		
57	TRI	83%	78%	1.1	1.075		
	SQ	93%	88%	1.3	0.931		
Nozzle #16 @ 70 PSI	63 ft	69	TRI	78%	69%	1.7	0.789
			SQ	77%	64%	1.5	0.684
	16.9 GPM	67	TRI	79%	71%	1.7	0.837
			SQ	81%	69%	1.5	0.725
	65	TRI	79%	71%	1.5	0.890	
		SQ	83%	75%	1.5	0.770	
	63	TRI	80%	72%	1.4	0.947	
	SQ	86%	80%	1.4	0.820		
	61	TRI	80%	75%	1.2	1.010	
		SQ	88%	83%	1.3	0.875	
59	TRI	80%	77%	1.1	1.080		
	SQ	91%	86%	1.3	0.935		
57	TRI	82%	79%	1.1	1.157		
	SQ	92%	87%	1.3	1.002		
Nozzle #16 @ 80 PSI	63 ft	69	TRI	78%	69%	1.7	0.846
			SQ	77%	66%	1.5	0.732
	18.1 GPM	67	TRI	78%	71%	1.6	0.897
			SQ	80%	71%	1.5	0.777
	65	TRI	79%	72%	1.5	0.953	
		SQ	83%	75%	1.4	0.825	
	63	TRI	79%	73%	1.4	1.014	
	SQ	85%	79%	1.4	0.878		
	61	TRI	80%	76%	1.2	1.082	
		SQ	88%	83%	1.3	0.937	
59	TRI	80%	79%	1.1	1.156		
	SQ	91%	86%	1.2	1.001		
57	TRI	82%	80%	1.1	1.239		
	SQ	93%	87%	1.2	1.073		

	Radius-m	Spacing	Performance				PR
	Flow-m ³ /h	Dist-m	Type	CU	DU	SC	mm/h
Nozzle #16 @ 2.8 Bar	16.8 m	18.6	TRI	71%	67%	1.7	19.1
			SQ	87%	75%	1.5	16.6
	2.86 m ³ /h	18.0	TRI	71%	64%	1.4	20.4
			SQ	90%	83%	1.5	17.7
	17.4	TRI	72%	62%	1.1	21.9	
		SQ	86%	83%	1.7	19.0	
	0.79 l/s	16.8	TRI	76%	61%	1.2	23.5
	SQ	83%	81%	1.8	20.4		
	16.2	TRI	80%	65%	1.3	25.3	
		SQ	81%	77%	1.9	21.9	
15.5	TRI	85%	74%	1.4	27.4		
	SQ	81%	72%	1.7	23.7		
14.9	TRI	89%	82%	1.5	29.6		
	SQ	81%	69%	1.3	25.7		
Nozzle #16 @ 3.4 Bar	18.6 m	20.4	TRI	80%	72%	1.7	18.0
			SQ	81%	68%	1.5	15.6
	3.25 m ³ /h	19.8	TRI	78%	73%	1.6	19.1
			SQ	85%	73%	1.4	16.6
	19.2	TRI	78%	74%	1.5	20.4	
		SQ	90%	80%	1.4	17.6	
	0.90 l/s	18.6	TRI	78%	73%	1.3	21.7
	SQ	93%	86%	1.3	18.8		
	18.0	TRI	79%	72%	1.1	23.2	
		SQ	93%	89%	1.4	20.1	
17.4	TRI	82%	73%	1.1	24.9		
	SQ	91%	89%	1.5	21.5		
16.8	TRI	84%	75%	1.2	26.7		
	SQ	89%	86%	1.5	23.1		
Nozzle #16 @ 4.1 Bar	19.2 m	21.0	TRI	80%	71%	1.7	18.6
			SQ	79%	66%	1.4	16.1
	20.4	TRI	80%	72%	1.6	19.8	
		SQ	83%	71%	1.3	17.1	
	3.57 m ³ /h	19.8	TRI	80%	73%	1.5	21.0
		SQ	86%	77%	1.3	18.2	
	0.99 l/s	19.2	TRI	80%	74%	1.4	22.3
	SQ	89%	83%	1.3	19.4		
	18.6	TRI	80%	75%	1.2	23.8	
		SQ	91%	86%	1.3	20.6	
18.0	TRI	81%	76%	1.1	25.5		
	SQ	93%	88%	1.3	22.1		
17.4	TRI	83%	78%	1.1	27.3		
	SQ	93%	88%	1.3	23.6		
Nozzle #16 @ 4.8 Bar	19.2 m	21.0	TRI	78%	69%	1.7	20.1
			SQ	77%	64%	1.5	17.4
	20.4	TRI	79%	71%	1.7	21.3	
		SQ	81%	69%	1.5	18.4	
	3.84 m ³ /h	19.8	TRI	79%	71%	1.5	22.6
		SQ	83%	75%	1.5	19.6	
	1.07 l/s	19.2	TRI	80%	72%	1.4	24.1
	SQ	86%	80%	1.4	20.8		
	18.6	TRI	80%	75%	1.2	25.7	
		SQ	88%	83%	1.3	22.2	
18.0	TRI	80%	77%	1.1	27.4		
	SQ	91%	86%	1.3	23.8		
17.4	TRI	82%	79%	1.1	29.4		
	SQ	92%	87%	1.3	25.4		
Nozzle #16 @ 5.5 Bar	19.2 m	21.0	TRI	78%	69%	1.7	21.5
			SQ	77%	66%	1.5	18.6
	20.4	TRI	78%	71%	1.6	22.8	
		SQ	80%	71%	1.5	19.7	
	4.11 m ³ /h	19.8	TRI	79%	72%	1.5	24.2
		SQ	83%	75%	1.4	21.0	
	1.14 l/s	19.2	TRI	79%	73%	1.4	25.8
	SQ	85%	79%	1.4	22.3		
	18.6	TRI	80%	76%	1.2	27.5	
		SQ	88%	83%	1.3	23.8	
18.0	TRI	80%	79%	1.1	29.4		
	SQ	91%	86%	1.2	25.4		
17.4	TRI	82%	80%	1.1	31.5		
	SQ	93%	87%	1.2	27.3		

PR = Precipitation Rate; Based on Half Circle (180°) operation.

Falcon 6504 Performance Chart

	Radius-ft		Performance				PR
	Flow-GPM	Dist-ft	Type	CU	DU	SC	in/hr
Nozzle #18 @ 40 PSI	59 ft	65	TRI	76%	68%	1.7	0.721
		63	SQ	80%	69%	1.5	0.625
	13.7 GPM	63	TRI	75%	71%	1.6	0.768
		61	SQ	84%	68%	1.4	0.665
	59	61	TRI	74%	79%	1.4	0.819
		59	SQ	88%	67%	1.4	0.709
	57	59	TRI	75%	82%	1.2	0.875
		57	SQ	89%	67%	1.4	0.758
	55	57	TRI	77%	82%	1.2	0.938
		55	SQ	87%	67%	1.5	0.812
53	55	TRI	80%	82%	1.2	1.007	
	53	SQ	85%	68%	1.5	0.872	
Nozzle #18 @ 50 PSI	59 ft	65	TRI	77%	67%	1.7	0.811
		63	SQ	82%	70%	1.5	0.702
	15.4 GPM	63	TRI	77%	75%	1.7	0.863
		61	SQ	87%	70%	1.5	0.747
	59	61	TRI	77%	83%	1.4	0.920
		59	SQ	90%	71%	1.4	0.797
	57	59	TRI	78%	86%	1.2	0.984
		57	SQ	91%	72%	1.4	0.852
	55	57	TRI	80%	88%	1.1	1.054
		55	SQ	91%	72%	1.4	0.913
53	55	TRI	82%	86%	1.2	1.132	
	53	SQ	90%	75%	1.4	0.981	
Nozzle #18 @ 60 PSI	63 ft	69	TRI	77%	62%	1.6	0.799
		67	SQ	75%	67%	1.6	0.692
	17.1 GPM	67	TRI	77%	65%	1.6	0.847
		65	SQ	79%	69%	1.6	0.734
	63	65	TRI	78%	71%	1.7	0.900
		63	SQ	83%	70%	1.5	0.780
	61	63	TRI	78%	79%	1.5	0.958
		61	SQ	87%	71%	1.5	0.830
	59	61	TRI	79%	83%	1.3	1.022
		59	SQ	89%	72%	1.4	0.885
57	59	TRI	79%	86%	1.1	1.093	
	57	SQ	90%	74%	1.3	0.946	
Nozzle #18 @ 70 PSI	65 ft	69	TRI	75%	62%	-	0.855
		67	SQ	75%	66%	1.6	0.740
	18.3 GPM	67	TRI	76%	67%	-	0.907
		65	SQ	78%	67%	1.6	0.785
	65	65	TRI	77%	72%	1.6	0.963
		63	SQ	81%	69%	1.6	0.834
	63	63	TRI	78%	77%	1.5	1.025
		61	SQ	84%	70%	1.5	0.888
	59	61	TRI	78%	81%	1.3	1.094
		59	SQ	87%	73%	1.4	0.947
57	59	TRI	79%	85%	1.1	1.169	
	57	SQ	90%	76%	1.3	1.013	
Nozzle #18 @ 80 PSI	65 ft	69	TRI	73%	61%	-	0.916
		67	SQ	74%	65%	1.7	0.793
	19.6 GPM	67	TRI	75%	66%	1.8	0.971
		65	SQ	77%	66%	1.6	0.841
	65	65	TRI	76%	72%	1.6	1.032
		63	SQ	81%	68%	1.6	0.893
	63	63	TRI	76%	76%	1.5	1.098
		61	SQ	84%	71%	1.5	0.951
	59	61	TRI	77%	81%	1.3	1.171
		59	SQ	88%	74%	1.4	1.015
57	59	TRI	78%	85%	1.2	1.252	
	57	SQ	90%	76%	1.3	1.084	
57	57	TRI	80%	87%	1.1	1.342	
	57	SQ	93%	77%	1.4	1.162	

	Radius-m		Performance				PR
	Flow-m ³ /h	Dist-m	Type	CU	DU	SC	mm/h
Nozzle #18 @ 2.8 Bar	18.0 m	19.8	TRI	76%	68%	1.7	18.3
		19.2	SQ	80%	69%	1.5	15.9
	3.11 m ³ /h	19.2	TRI	75%	71%	1.6	19.5
		18.6	SQ	84%	68%	1.4	16.9
	0.86 l/s	18.6	TRI	74%	79%	1.4	20.8
		18.0	SQ	88%	67%	1.4	18.0
	17.4	18.0	TRI	75%	82%	1.2	22.2
		17.4	SQ	89%	67%	1.4	19.3
	17.4	17.4	TRI	77%	82%	1.2	23.8
		16.8	SQ	87%	67%	1.5	20.6
16.8	16.8	TRI	80%	82%	1.2	25.6	
	16.2	SQ	85%	68%	1.5	22.2	
16.2	16.2	TRI	83%	78%	1.3	27.6	
	16.2	SQ	84%	72%	1.5	23.9	
Nozzle #18 @ 3.4 Bar	18.0 m	19.8	TRI	77%	67%	1.7	20.6
		19.2	SQ	82%	70%	1.5	17.8
	3.50 m ³ /h	19.2	TRI	77%	75%	1.7	21.9
		18.6	SQ	87%	70%	1.5	19.0
	0.97 l/s	18.6	TRI	77%	83%	1.4	23.4
		18.0	SQ	90%	71%	1.4	20.2
	17.4	18.0	TRI	78%	86%	1.2	25.0
		17.4	SQ	91%	72%	1.4	21.6
	17.4	17.4	TRI	80%	88%	1.1	26.8
		16.8	SQ	91%	72%	1.4	23.2
16.8	16.8	TRI	82%	86%	1.2	28.8	
	16.2	SQ	90%	75%	1.4	24.9	
16.2	16.2	TRI	84%	84%	1.2	31.0	
	16.2	SQ	89%	79%	1.4	26.8	
Nozzle #18 @ 4.1 Bar	19.2 m	21.0	TRI	77%	62%	0.0	20.3
		20.4	SQ	75%	67%	1.6	17.6
	3.88 m ³ /h	20.4	TRI	77%	65%	0.0	21.5
		19.8	SQ	79%	69%	1.6	18.6
	1.08 l/s	19.8	TRI	78%	71%	1.7	22.9
		19.2	SQ	83%	70%	1.5	19.8
	18.6	19.2	TRI	78%	79%	1.5	24.3
		18.6	SQ	87%	71%	1.5	21.1
	18.0	18.6	TRI	79%	83%	1.3	26.0
		18.0	SQ	89%	72%	1.4	22.5
17.4	18.0	TRI	79%	86%	1.1	27.8	
	17.4	SQ	90%	74%	1.3	24.0	
17.4	17.4	TRI	81%	87%	1.1	29.7	
	17.4	SQ	92%	76%	1.3	25.7	
Nozzle #18 @ 4.8 Bar	19.8 m	21.0	TRI	75%	62%	-	21.7
		20.4	SQ	75%	66%	1.6	18.8
	4.16 m ³ /h	20.4	TRI	76%	67%	-	23.0
		19.8	SQ	78%	67%	1.6	19.9
	1.15 l/s	19.8	TRI	77%	72%	1.6	24.5
		19.2	SQ	81%	69%	1.6	21.2
	18.6	19.2	TRI	78%	77%	1.5	26.0
		18.6	SQ	84%	70%	1.5	22.6
	18.0	18.6	TRI	78%	81%	1.3	27.8
		18.0	SQ	87%	73%	1.4	24.1
17.4	18.0	TRI	79%	85%	1.1	29.7	
	17.4	SQ	90%	76%	1.3	25.7	
17.4	17.4	TRI	80%	87%	1.1	31.8	
	17.4	SQ	92%	79%	1.3	27.6	
Nozzle #18 @ 5.5 Bar	19.8 m	21.0	TRI	73%	61%	-	23.3
		20.4	SQ	74%	65%	1.7	20.1
	4.45 m ³ /h	20.4	TRI	75%	66%	1.8	24.7
		19.8	SQ	77%	66%	1.6	21.4
	1.24 l/s	19.8	TRI	76%	72%	1.6	26.2
		19.2	SQ	81%	68%	1.6	22.7
	18.6	19.2	TRI	76%	76%	1.5	27.9
		18.6	SQ	84%	71%	1.5	24.2
	18.0	18.6	TRI	77%	81%	1.3	29.8
		18.0	SQ	88%	74%	1.4	25.8
17.4	18.0	TRI	78%	85%	1.2	31.8	
	17.4	SQ	90%	76%	1.3	27.5	
17.4	17.4	TRI	80%	87%	1.1	34.1	
	17.4	SQ	93%	77%	1.4	29.5	

PR = Precipitation Rate; Based on Half Circle (180°) operation.