









TurboDrop High Pressure Full Ceramic - 15” Spacing

The TurboDrop® nozzle was originally designed in 1993 as a high pressure nozzle for improving penetration and coverage with contact chemicals. By producing larger, air filled droplets at high pressure; droplet velocity is maintained to allow for maximum canopy penetration. The air inside the droplet causes them to expand or even explode on contact for maximum coverage

Pressure Range: 30-150psi (40-120psi, optimal)

Materials of Construction: Polyacetal Venturi body with alumina ceramic metering orifice, ceramic exit tip and poly cap, EPDM seat gasket.

COMPLETE NOZZLE PART # (Strainer Size)	LIQUID PRESSURE PSI	NOZZLE CAPACITY GPM	GALLONS PER ACRE BASED ON 15" NOZZLE SPACING									
			4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
 (use 50 mesh)	20	0.07	7.0	5.6	4.7	3.5	2.8	2.3	2.0	1.7	1.6	1.4
	30	0.09	8.6	6.9	5.7	4.3	3.4	2.9	2.4	2.1	1.9	1.7
	40	0.10	9.9	7.9	6.6	4.9	4.0	3.3	2.8	2.5	2.2	2.0
	50	0.11	11.1	8.8	7.4	5.5	4.4	3.7	3.2	2.8	2.5	2.2
	60	0.12	12.1	9.7	8.1	6.1	4.8	4.0	3.5	3.0	2.7	2.4
	70	0.13	13.1	10.5	8.7	6.5	5.2	4.4	3.7	3.3	2.9	2.6
	80	0.14	14.0	11.2	9.3	7.0	5.6	4.7	4.0	3.5	3.1	2.8
	90	0.15	14.8	11.9	9.9	7.4	5.9	4.9	4.2	3.7	3.3	3.0
110	0.17	16.4	13.1	10.9	8.2	6.6	5.5	4.7	4.1	3.6	3.3	3.0
120	0.17	17.1	13.7	11.4	8.6	6.9	5.7	4.9	4.3	3.8	3.4	3.0
 (use 50 mesh)	20	0.11	10.5	8.4	7.0	5.2	4.2	3.5	3.0	2.6	2.3	2.1
	30	0.13	12.9	10.3	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6
	40	0.15	14.8	11.9	9.9	7.4	5.9	4.9	4.2	3.7	3.3	3.0
	50	0.17	16.6	13.3	11.1	8.3	6.6	5.5	4.7	4.1	3.7	3.3
	60	0.18	18.2	14.5	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6
	70	0.20	19.6	15.7	13.1	9.8	7.9	6.5	5.6	4.9	4.4	3.9
	80	0.21	21.0	16.8	14.0	10.5	8.4	7.0	6.0	5.2	4.7	4.2
	90	0.22	22.3	17.8	14.8	11.1	8.9	7.4	6.4	5.6	4.9	4.5
110	0.25	24.6	19.7	16.4	12.3	9.8	8.2	7.0	6.2	5.5	4.9	4.5
120	0.26	25.7	20.6	17.1	12.9	10.3	8.6	7.3	6.4	5.7	5.1	4.6
 (use 50 mesh)	20	0.14	14.0	11.2	9.3	7.0	5.6	4.7	4.0	3.5	3.1	2.8
	30	0.17	17.1	13.7	11.4	8.6	6.9	5.7	4.9	4.3	3.8	3.4
	40	0.20	19.8	15.8	13.2	9.9	7.9	6.6	5.7	4.9	4.4	4.0
	50	0.22	22.1	17.7	14.7	11.1	8.8	7.4	6.3	5.5	4.9	4.4
	60	0.24	24.2	19.4	16.2	12.1	9.7	8.1	6.9	6.1	5.4	4.8
	70	0.26	26.2	20.9	17.4	13.1	10.5	8.7	7.5	6.5	5.8	5.2
	80	0.28	28.0	22.4	18.7	14.0	11.2	9.3	8.0	7.0	6.2	5.6
	90	0.30	29.7	23.7	19.8	14.8	11.9	9.9	8.5	7.4	6.6	5.9
110	0.33	32.8	26.2	21.9	16.4	13.1	10.9	9.4	8.2	7.3	6.6	
120	0.35	34.3	27.4	22.8	17.1	13.7	11.4	9.8	8.6	7.6	6.9	
 (use 50 mesh)	20	0.18	17.5	14.0	11.7	8.7	7.0	5.8	5.0	4.4	4.3	3.9
	30	0.22	21.4	17.1	14.3	10.7	8.6	7.1	6.1	5.4	4.8	4.3
	40	0.25	24.7	19.8	16.5	12.4	9.9	8.2	7.1	6.2	5.5	4.9
	50	0.28	27.7	22.1	18.4	13.8	11.1	9.2	7.9	6.9	6.1	5.5
	60	0.31	30.3	24.2	20.2	15.1	12.1	10.1	8.7	7.6	6.7	6.1
	70	0.33	32.7	26.6	21.8	16.4	13.1	10.9	9.3	8.2	7.3	6.5
	80	0.35	35.0	28.0	23.3	17.5	14.0	11.7	10.0	8.7	7.8	7.0
	90	0.37	37.1	29.7	24.7	18.5	14.8	12.4	10.6	9.3	8.2	7.4
110	0.41	41.0	32.8	27.3	20.5	16.4	13.7	11.7	10.3	9.1	8.2	
120	0.43	42.8	34.3	28.6	21.4	17.1	14.3	12.2	10.7	9.5	8.6	
 (use 50 mesh)	20	0.21	21.0	16.8	14.0	10.5	8.4	7.0	6.0	5.2	4.7	4.2
	30	0.26	25.7	20.6	17.1	12.9	10.3	8.6	7.3	6.4	5.7	5.1
	40	0.30	29.7	23.7	19.8	14.8	11.9	9.9	8.5	7.4	6.6	5.9
	50	0.34	33.2	26.5	22.1	16.6	13.3	11.1	9.5	8.3	7.4	6.6
	60	0.37	36.3	29.1	24.2	18.2	14.5	12.1	10.4	9.1	8.1	7.3
	70	0.40	39.3	31.4	26.2	19.6	15.7	13.1	11.2	9.8	8.7	7.9
	80	0.42	42.0	33.6	28.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4
	90	0.45	44.5	35.6	29.7	22.3	17.8	14.8	12.7	11.1	9.9	8.9
110	0.50	49.2	39.4	32.8	24.6	19.7	16.4	14.1	12.3	10.9	9.8	
120	0.52	51.4	41.1	34.3	25.7	20.6	17.1	14.7	12.9	11.4	10.3	
 (use 24 mesh)	20	0.28	28.0	22.4	18.7	14.0	11.2	9.3	8.0	7.0	6.2	5.6
	30	0.35	34.3	27.4	22.8	17.1	13.7	11.4	9.8	8.6	7.6	6.9
	40	0.40	39.6	31.7	26.4	19.8	15.8	13.2	11.3	9.9	8.8	7.9
	50	0.45	44.2	35.4	29.5	22.1	17.7	14.7	12.6	11.1	9.8	8.8
	60	0.49	48.5	38.8	32.3	24.2	19.4	16.2	13.8	12.1	10.8	9.7
	70	0.53	52.3	41.9	34.9	26.2	20.9	17.4	15.0	13.1	11.6	10.5
	80	0.57	56.0	44.8	37.3	28.0	22.4	18.7	16.0	14.0	12.4	11.2
	90	0.60	59.4	47.5	39.6	29.7	23.7	19.8	17.0	14.8	13.2	11.9
110	0.66	65.6	52.5	43.7	32.8	26.2	21.9	18.7	16.4	14.6	13.1	
120	0.69	68.5	54.8	45.7	34.3	27.4	22.8	19.6	17.1	15.2	13.7	
 (use 24 mesh)	20	0.35	35.0	28.0	23.3	17.5	14.0	11.7	10.0	8.8	7.8	7.0
	30	0.43	42.9	34.3	28.6	21.4	17.2	14.3	12.3	10.7	9.5	8.6
	40	0.50	49.5	39.6	33.0	24.8	19.8	16.5	14.2	12.4	11.0	9.9
	50	0.56	55.4	44.3	36.9	27.7	22.1	18.5	15.8	13.8	12.3	11.1
	60	0.61	60.7	48.5	40.4	30.3	24.3	20.2	17.3	15.2	13.5	12.1
	70	0.66	65.5	52.4	43.7	32.8	26.2	21.8	18.7	16.4	14.6	13.1
	80	0.71	70.0	56.0	46.7	35.0	28.0	23.3	20.0	17.5	15.6	14.0
	90	0.75	74.3	59.4	49.5	37.1	29.7	24.8	21.2	18.6	16.5	14.9
110	0.83	82.1	65.7	54.8	41.1	32.9	27.4	23.5	20.5	18.3	16.4	
120	0.87	85.8	68.6	57.2	42.9	34.3	28.6	24.5	21.4	19.1	17.2	
 (use 24 mesh)	20	0.42	42.0	33.6	28.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4
	30	0.52	51.5	41.2	34.3	25.7	20.6	17.2	14.7	12.9	11.4	10.3
	40	0.60	59.4	47.5	39.6	29.7	23.8	19.8	17.0	14.9	13.2	11.9
	50	0.67	66.4	53.1	44.3	33.2	26.6	22.1	19.0	16.6	14.8	13.3
	60	0.74	72.8	58.2	48.5	36.4	29.1	24.3	20.8	18.2	16.2	14.6
	70	0.79	78.6	62.9	52.4	39.3	31.4	26.2	22.5	19.7	17.5	15.7
	80	0.85	84.0	67.2	56.0	42.0	33.6	28.0	24.0	21.0	18.7	16.8
	90	0.90	89.1	71.3	59.4	44.6	35.7	29.7	25.5	22.3	19.8	17.8
110	1.00	98.5	78.8	65.7	49.3	39.4	32.8	28.2	24.6	21.9	19.7	
120	1.04	102.9	82.3	68.6	51.5	41.2	34.3	29.4	25.7	22.9	20.6	
 (use 24 mesh)	20	0.56	55.8	44.6	37.2	27.9	22.3	18.6	15.9	13.9	12.4	11.2
	30	0.69	68.3	54.7	45.5	34.2	27.3	22.8	19.5	17.1	15.2	13.7
	40	0.80	78.9	63.1	52.6	39.4	31.6	26.3	22.5	19.7	17.5	15.8
	50	0.89	88.2	70.6	58.8	41.1	35.3	29.4	25.2	22.1	19.6	17.6
	60	0.98	96.6	77.3	64.4	48.3	38.6	32.2	27.6	24.2	21.5	19.3
	70	1.05	104.4	83.5	69.6	52.2	41.7	34.8	29.8	26.1	23.2	20.9
	80	1.13	111.6	89.3	74.4	55.8	44.6	37.2	31.9	27.9	24.8	22.3
	90	1.20	118.3	94.7	78.9	59.2	47.3	39.4	33.8	29.6	26.3	23.7
110	1.32	130.8	104.7	87.2	65.4	52.3	43.6	37.4	32.7	29.1	26.2	
120	1.38	136.6	109.3	91.1	68.3	54.7	45.5	39.0	34.2	30.4	27.3	
 (use 24 mesh)	20	0.71	70.0	56.0	46.6	35.0	28.0	23.3	20.0	17.5	15.5	14.0
	30	0.87	85.7	68.5	57.1	42.8	34.3	28.6	24.5	21.4	19.0	17.1