

## INJECTOR FLOW, PRESSURE, AND TIME RELATIONS

### INJECTOR PULSE WIDTH @ RPM / DUTY CYCLE IN MILLISECONDS

RPM	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	110%
500	24.0	48.0	72.0	96.0	120.0	144.0	168.0	192.0	216.0	240.0	264.0
1000	12.0	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0
1500	8.0	16.0	24.0	32.0	40.0	48.0	56.0	64.0	72.0	80.0	88.0
2000	6.0	12.0	18.0	24.0	30.0	36.0	42.0	48.0	54.0	60.0	66.0
2500	4.8	9.6	14.4	19.2	24.0	28.8	33.6	38.4	43.2	48.0	52.8
3000	4.0	8.0	12.0	16.0	20.0	24.0	28.0	32.0	36.0	40.0	44.0
3500	3.4	6.9	10.3	13.7	17.1	20.6	24.0	27.4	30.9	34.3	37.7
4000	3.0	6.0	9.0	12.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0
4500	2.7	5.3	8.0	10.7	13.3	16.0	18.7	21.3	24.0	26.7	29.3
5000	2.4	4.8	7.2	9.6	12.0	14.4	16.8	19.2	21.6	24.0	26.4
5500	2.2	4.4	6.5	8.7	10.9	13.1	15.3	17.5	19.6	21.8	24.0
6000	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0
6500	1.8	3.7	5.5	7.4	9.2	11.1	12.9	14.8	16.6	18.5	20.3
7000	1.7	3.4	5.1	6.9	8.6	10.3	12.0	13.7	15.4	17.1	18.9
7500	1.6	3.2	4.8	6.4	8.0	9.6	11.2	12.8	14.4	16.0	17.6
8000	1.5	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5

### EQUIVALENT P.W. AT 100% DUTY CYCLE WITH 3.7:1 RISING RATE REGULATOR (2.7:1 AFTER MAN. PRES. COMPENSATION)

BOOST>	0	1	2	3	4	5	6	7	8	9	10
F.P. PSI>	50.5	53.2	55.9	58.6	61.3	64.0	66.7	69.4	72.1	74.8	77.5
%FLOW>	100.00%	102.64%	105.21%	107.72%	110.18%	112.58%	114.93%	117.23%	119.49%	121.70%	123.88%
RPM 500	240.0	246.3	252.5	258.5	264.4	270.2	275.8	281.3	286.8	292.1	297.3
1000	120.0	123.2	126.3	129.3	132.2	135.1	137.9	140.7	143.4	146.0	148.7
1500	80.0	82.1	84.2	86.2	88.1	90.1	91.9	93.8	95.6	97.4	99.1
2000	60.0	61.6	63.1	64.6	66.1	67.5	69.0	70.3	71.7	73.0	74.3
2500	48.0	49.3	50.5	51.7	52.9	54.0	55.2	56.3	57.4	58.4	59.5
3000	40.0	41.1	42.1	43.1	44.1	45.0	46.0	46.9	47.8	48.7	49.6
3500	34.3	35.2	36.1	36.9	37.8	38.6	39.4	40.2	41.0	41.7	42.5
4000	30.0	30.8	31.6	32.3	33.1	33.8	34.5	35.2	35.8	36.5	37.2
4500	26.7	27.4	28.1	28.7	29.4	30.0	30.6	31.3	31.9	32.5	33.0
5000	24.0	24.6	25.3	25.9	26.4	27.0	27.6	28.1	28.7	29.2	29.7
5500	21.8	22.4	23.0	23.5	24.0	24.6	25.1	25.6	26.1	26.6	27.0
6000	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.4	23.9	24.3	24.8
6500	18.5	18.9	19.4	19.9	20.3	20.8	21.2	21.6	22.1	22.5	22.9
7000	17.1	17.6	18.0	18.5	18.9	19.3	19.7	20.1	20.5	20.9	21.2
7500	16.0	16.4	16.8	17.2	17.6	18.0	18.4	18.8	19.1	19.5	19.8
8000	15.0	15.4	15.8	16.2	16.5	16.9	17.2	17.6	17.9	18.3	18.6

RPM	YELLOW = AREA EFFECTED BY DECREASING CLOSING TIME (1.5MS.) AFTER 90% DUTY CYCLE										
	90%	91%	92%	93%	94%	95%	96%	97%	98%	99%	100%
500	216.0	218.4	220.8	223.2	225.6	228.0	230.4	232.8	235.2	237.6	240.0
1000	108.0	109.2	110.4	111.6	112.8	114.0	115.2	116.4	117.6	118.8	120.0
1500	72.0	72.8	73.6	74.4	75.2	76.0	76.8	77.6	78.4	79.2	80.0
2000	54.0	54.6	55.2	55.8	56.4	57.0	57.6	58.2	58.8	59.4	60.0
2500	43.2	43.7	44.2	44.6	45.1	45.6	46.1	46.6	47.0	47.5	48.0
3000	36.0	36.4	36.8	37.2	37.6	38.0	38.4	38.8	39.2	39.6	40.0
3500	30.9	31.2	31.5	31.9	32.2	32.6	32.9	33.3	33.6	33.9	34.3
4000	27.0	27.3	27.6	27.9	28.2	28.5	28.8	29.1	29.4	29.7	30.0
4500	24.0	24.3	24.5	24.8	25.1	25.3	25.6	25.9	26.1	26.4	26.7
5000	21.6	21.8	22.1	22.3	22.6	22.8	23.0	23.3	23.5	23.8	24.0
5500	19.6	19.9	20.1	20.3	20.5	20.7	20.9	21.2	21.4	21.6	21.8
6000	18.0	18.2	18.4	18.6	18.8	19.0	19.2	19.4	19.6	19.8	20.0
6500	16.6	16.8	17.0	17.2	17.4	17.5	17.7	17.9	18.1	18.3	18.5
7000	15.4	15.6	15.8	15.9	16.1	16.3	16.5	16.6	16.8	17.0	17.1
7500	14.4	14.6	14.7	14.9	15.0	15.2	15.4	15.5	15.7	15.8	16.0
8000	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	15.0