

BLITZFIRE FLOW CHART

Friction Loss for 2 1/2 inch hose (PSI)						
Hose Length in Feet						
Flow (GPM)	150	200	250	300	350	400
100	3	4	5	6	7	8
150	7	9	11	14	16	18
200	12	16	20	24	28	32
250	19	25	32	38	44	51
300	27	36	45	55	64	73
350	37	49	62	74	87	99
400	48	65	81	97	113	129
450	61	82	102	123	143	164
500	76	101	126	152	177	202

(1) Rounded to the nearest psi.
 (2) Friction loss may vary with brand and condition of hose.

Friction Loss for 64mm hose (BAR)						
Hose Length in Meters						
Flow (LPM)	45	60	76	91	107	121
380	0.2	0.3	0.3	0.4	0.5	0.6
570	0.5	0.6	0.8	0.9	1.1	1.3
760	0.8	1.1	1.4	1.7	1.9	2.2
950	1.3	1.7	2.2	2.6	3.0	3.5
1140	1.9	2.5	3.1	3.8	4.4	5.0
1330	2.6	3.4	4.3	5.1	6.0	6.8
1520	3.3	4.5	5.6	6.7	7.8	8.9
1700	4.2	5.6	7.0	8.5	9.9	11.3
1900	5.2	7.0	8.7	10.4	12.2	13.9

(1) Rounded to the nearest bar.
 (2) Friction loss may vary with brand and condition of hose.

TFT Blitzfire w/100 psi Max-Matic nozzle 2 1/2 hose						
Pump Discharge Pressure in PSI						
Hose Length in Feet						
Flow (GPM)	150	200	250	300	350	400
150	105	110	110	115	115	115
200	115	125	125	130	135	140
250	125	135	140	150	150	160
300	135	145	155	165	175	185
350	145	160	170	185	195	210
400	160	175	195	210	225	240
450	170	195	215	235	255	280
500	200	225	250	275	300	325

(1) Rounded to the nearest psi.
 (2) Friction loss may vary with brand and condition of hose.

TFT Blitzfire w/100 psi Max-Matic nozzle 64mm hose						
Pump Discharge Pressure in BAR						
Hose Length in Meters						
Flow (LPM)	45	60	76	91	107	121
570	7.2	7.6	7.6	7.9	7.9	7.9
760	7.9	8.6	8.6	9.0	9.3	9.6
950	8.6	9.3	9.6	10.3	10.3	11.0
1140	9.3	10.0	10.7	11.4	12.1	12.7
1330	10.0	11.0	11.7	12.7	13.4	14.5
1520	11.0	12.1	13.4	14.5	15.5	16.5
1700	11.7	13.4	14.8	16.2	17.6	19.3
1900	13.8	15.5	17.2	18.9	20.7	22.4

(1) Rounded to the nearest bar.
(2) Friction loss may vary with brand and condition of hose.

TFT Blitzfire w/80 psi Max-Matic nozzle 2 1/2 inch hose						
Pump Discharge Pressure in PSI						
Hose Length in Feet						
Flow (GPM)	150	200	250	300	350	400
150	85	85	85	90	90	90
200	90	95	100	105	105	110
250	100	105	115	120	125	130
300	110	115	125	140	150	155
350	120	135	145	160	170	185
400	135	150	165	185	200	215
450	160	185	200	225	245	265
500	200	225	250	275	300	325

(1) Rounded to the nearest psi.
(2) Friction loss may vary with brand and condition of hose.

TFT Blitzfire w/80 psi Max-Matic nozzle 64mm hose						
Pump Discharge Pressure in BAR						
Hose Length in Meters						
Flow (LPM)	45	60	76	91	107	121
570	5.9	5.9	5.9	6.2	6.2	6.2
760	6.2	6.5	6.9	7.2	7.2	7.6
950	6.9	7.2	7.9	8.3	8.6	9.0
1140	7.6	7.9	8.6	9.6	10.3	10.7
1330	8.3	9.3	10.0	11.0	11.7	12.7
1520	9.3	10.3	11.4	12.7	13.8	14.8
1700	11.0	12.7	13.8	15.5	16.9	18.3
1900	13.8	15.5	17.2	18.9	20.7	22.4

(1) Rounded to the nearest bar.
(2) Friction loss may vary with brand and condition of hose.

TFT Blitzfire w/Max-Force Dual Pressure Nozzle 2 1/2 inch hose												
Pump Discharge Pressure in PSI												
Hose Length in Feet												
Flow (GPM)	150		200		250		300		350		400	
150	105	55	110	55	110	55	115	60	115	60	115	60
200	115	60	125	65	125	65	130	75	135	75	140	80
250	125	70	135	80	140	85	150	95	150	95	160	105
300	135	85	145	90	155	100	165	115	175	125	185	130
350	145	100	160	115	170	125	185	140	195	150	210	165
400	160	130	175	145	195	160	210	175	225	195	240	210
450	170	160	195	185	215	200	235	225	255	245	280	265
500	200	200	225	225	250	250	275	275	300	300	325	325

(1) Rounded to the nearest psi.
(2) Friction loss may vary with brand and condition of hose.

Numbers in BLUE for nozzle at Standard 100 PSI setting
Numbers in RED for nozzle at Low Pressure setting

TFT Blitzfire w/Max-Force Dual Pressure Nozzle 64mm hose												
Pump Discharge Pressure in BAR												
Hose Length in Meters												
Flow (LPM)	45		60		75		90		105		120	
570	7.2	3.8	7.6	3.8	7.6	3.8	7.9	4.1	7.9	4.1	7.9	4.1
760	7.9	4.1	8.6	4.5	8.6	4.5	9.0	5.2	9.3	5.2	9.6	5.5
950	8.6	4.8	9.3	5.5	9.6	5.9	10.3	6.5	10.3	6.5	11.0	7.2
1140	9.3	5.9	10.0	6.2	10.7	6.9	11.4	7.9	12.1	8.6	12.7	9.0
1330	10.0	6.9	11.0	7.9	11.7	8.6	12.7	9.6	13.4	10.3	14.5	11.4
1520	11.0	9.0	12.1	10.0	13.4	11.0	14.5	12.1	15.5	13.4	16.5	14.5
1700	11.7	11.0	13.4	12.7	14.8	13.8	16.2	15.5	17.6	16.9	19.3	18.3
1900	13.8	13.8	15.5	15.5	17.2	17.2	18.9	18.9	20.7	20.7	22.4	22.4

(1) Rounded to the nearest bar.
(2) Friction loss may vary with brand and condition of hose.

Numbers in BLUE for nozzle at Standard 7 BAR setting
Numbers in RED for nozzle at Low Pressure setting