

BLITZFIRE FLOW CHART

Friction loss for 3” hose,
coupled 2½” for various flows and hose lengths.
 (Calculated using NFPA friction loss coefficient of 0.8)

Flow	150 feet	200 feet	250 feet	300 feet	350 feet	400 feet
100 GPM	1 psi	2 psi	2 psi	2 psi	3 psi	3 psi
150 GPM	3 psi	4 psi	5 psi	5 psi	6 psi	7 psi
200 GPM	5 psi	6 psi	8 psi	10 psi	11 psi	13 psi
250 GPM	8 psi	10 psi	13 psi	15 psi	18 psi	20 psi
300 GPM	11 psi	14 psi	18 psi	22 psi	25 psi	29 psi
350 GPM	15 psi	20 psi	25 psi	29 psi	34 psi	39 psi
400 GPM	19 psi	26 psi	32 psi	38 psi	45 psi	51 psi
450 GPM	24 psi	32 psi	41 psi	49 psi	57 psi	65 psi
500 GPM	30 psi	40 psi	50 psi	60 psi	70 psi	80 psi

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

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TFT BLITZFIRE w/100 psi Max-Matic nozzle

Approximate **Pump Discharge Pressure (PDP)** for 3” hose, coupled 2½” for various
 Flows and hose lengths for TFT BLITZFIRE w/100 psi Max-Matic nozzle.

Flow	150 feet	200 feet	250 feet	300 feet	350 feet	400 feet
150 GPM	100 psi	105 psi	105 psi	105 psi	105 psi	105 psi
200 GPM	110 psi	115 psi	115 psi	115 psi	120 psi	120 psi
250 GPM	115 psi	120 psi	120 psi	125 psi	125 psi	130 psi
300 GPM	120 psi	125 psi	130 psi	130 psi	135 psi	140 psi
350 GPM	125 psi	130 psi	135 psi	140 psi	145 psi	150 psi
400 GPM	130 psi	135 psi	145 psi	150 psi	155 psi	160 psi
450 GPM	135 psi	145 psi	155 psi	160 psi	170 psi	180 psi
500 GPM	155 psi	165 psi	175 psi	185 psi	195 psi	205 psi

- (1) Number indicates PDP in psi (nearest 5 psi).
- (2) Pressures may vary with brand and condition of hose.
- (3) Pressures are approximate and do not reflect losses in pre-connect piping.
- (4) Pressure loss through Blitzfire monitor included.

TFT BLITZFIRE w/ 80 psi Max-Matic nozzle

Approximate Pump Discharge Pressure (PDP) for 3” hose, coupled 2½” for various Flows and hose lengths for TFT BLITZFIRE w/ 80 psi Max-Matic nozzle.

Flow	150 feet	200 feet	250 feet	300 feet	350 feet	400 feet
150 GPM	80 psi	80 psi	80 psi	80 psi	80 psi	80 psi
200 GPM	85 psi	85 psi	90 psi	90 psi	90 psi	90 psi
250 GPM	90 psi	90 psi	95 psi	95 psi	100 psi	100 psi
300 GPM	95 psi	95 psi	100 psi	105 psi	110 psi	110 psi
350 GPM	100 psi	105 psi	110 psi	115 psi	120 psi	125 psi
400 GPM	105 psi	110 psi	115 psi	125 psi	130 psi	135 psi
450 GPM	125 psi	135 psi	140 psi	150 psi	160 psi	165 psi
500 GPM	155 psi	165 psi	175 psi	185 psi	195 psi	205 psi

- (1) Number indicates PDP in psi (nearest 5 psi).
- (2) Pressures may vary with brand and condition of hose.
- (3) Pressures are approximate and do not reflect losses in pre-connect piping.
- (4) Pressure loss through Blitzfire monitor included.

TFT BLITZFIRE w/Max-Force **Dual Pressure** nozzle

Approximate Pump Discharge Pressure (PDP) for 3” hose, coupled 2½” for various Flows and hose lengths for TFT BLITZFIRE w/Max-Force **Dual Pressure** nozzle.

Flow	150 feet		200 feet		250 feet		300 feet		350 feet		400 feet	
150 GPM	100	50	105	50	105	50	105	50	105	50	105	50
200 GPM	110	55	115	55	115	55	115	60	120	60	120	60
250 GPM	115	60	120	65	120	65	125	70	125	70	130	75
300 GPM	120	70	125	70	130	75	130	80	135	85	140	85
350 GPM	125	80	130	85	135	90	140	95	145	100	150	105
400 GPM	130	100	135	105	145	110	150	115	155	125	160	130
450 GPM	135	125	145	135	155	140	160	150	170	160	180	165
500 GPM	155	155	165	165	175	175	185	185	195	195	205	205

Numbers in **BLUE** for nozzle set at Standard 100 psi
 Numbers in **RED** for nozzle set at Low Pressure

- (1) Number indicates PDP in psi (nearest 5 psi).
- (2) Pressures may vary with brand and condition of hose.
- (3) Pressures are approximate and do not reflect losses in pre-connect piping.
- (4) Pressure loss through Blitzfire monitor included.