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APPLIANCE FRICTION LOSS (Rule of Thumb)		
APPLIANCE	GPM	PSI (FL)
Siamese, Wye	Above 350	10 psi
HydrAssist (Pump to Engine)		20+FL
Solid Tip (handline)	See below	50 psi
Solid Tip (Master Stream)	See below	80 psi
Puncture Nozzle	75	100 psi
Engine 23 & 31	Ladder Pipe	100 psi
Akron Cellar Nozzle	250	100 psi
Portable Monitor	500	120 psi
Sprinkler/Standpipe		125+EP
Portable Sprinkler	200 (8x25)	125+EP
In-Line Proportioner		125 psi
Deck Gun	1000	150 psi
Teleboom	1000	180 psi
Ladder Pipe	1000	180 psi
95' Platform	1000	180 psi
135' Aerial	1000	180 psi
Fog Nozzle (as rated)		100,75,50

GPM FLOW FROM SOLID BORE NOZZLES

Tip Size	Type	PSI	Rule of Thumb
3/4"	Handline	50	100 GPM
7/8"	Handline	50	150 GPM
1"	Handline	50	200 GPM
1 1/8"	Handline	50	250 GPM
1 1/4"	Handline	50	300 GPM
1 1/4"	Master Stream	80	400 GPM
1 3/8"	Master Stream	80	500 GPM
1 1/2"	Master Stream	80	600 GPM
1 5/8"	Master Stream	80	700 GPM
1 3/4"	Master Stream	80	800 GPM
2"	Master Stream	80	1000 GPM

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