

QUINT 439 - PUMP ENGINE PRESSURES

1-3/4" CROSSLAYS and 1-3/4" JUMP LINE

Flow	Hose Lay	FL/100	Total FL	NP	EP	Pump at
180 gpm	160' - 1-3/4"	37	59	100	159	160

2-1/2" CROSSLAY

Flow	Hose Lay	FL/100	Total FL	NP	EP	Pump at
250 gpm	160' - 2-1/2"	15	24	100	124	125

MERCURY MONITOR 3443 with 1-3/8" Smooth Bore Tip

Flow	Hose Lay	FL/100	Total FL	NP	FL in mon.	EP	Pump at
500 gpm	160' - 2.5"	52	83	80	8	171	170
500 gpm	150' - 3"	21	32	80	8	120	120
500 gpm	200' - 3"	21	42	80	8	130	130
500 gpm	250' - 3"	21	52.5	80	8	140.5	140
500 gpm	300' - 3"	21	63	80	8	151	150

MERCURY MONITOR 3443 with Akron style 4445 Fog Nozzle

Flow	Hose Lay	FL/100	Total FL	NP	FL in mon.	EP	Pump at
500 gpm	160' - 2.5"	52	83	100	8	191	190
500 gpm	150' - 3"	21	32	100	8	140	140
500 gpm	200' - 3"	21	42	100	8	150	150
500 gpm	250' - 3"	21	52.5	100	8	160.5	160
500 gpm	300' - 3"	21	63	100	8	171	170

LADDER PIPE 3578 w/ Akron style 5077 Akromatic Master Stream Nozzle

Flow	Elevation	Head Loss	FL in ww	NP	EP	Pump at
1250 gpm	20'	10	90	80	180	180
1000 gpm	20'	10	70	80	160	160
750 gpm	20'	10	50	80	140	140
500 gpm	20'	10	30	80	120	120

1" JUMP LINE

Flow	Hose Lay	FL/100	Total FL	NP	FL - piping	EP	Pump at
30 gpm	100' - 1"	26	26	100	5	131	130