

FOG NOZZLE (100 psi)

Cross Lay #1, #2 – 200ft. 1 ¾

High Efficiency 225 GPM Fog Nozzle

PUMP DISCHARGE PRESSURE (PDP)

159 GPM @ 50 psi = **100 psi**

195 GPM @ 75 psi = **150 psi**

225 GPM @ 100 psi = **200 psi**

Cross Lay #3 150ft. to 200ft. 2 ½

Playpipe Fog Nozzle PDP

95 GPM @100 psi 100 psi/100 psi

200 GPM @100 psi 110 psi/110 psi

300 GPM @100 psi 120 psi/120 psi

Apartment pack 100ft. 1 ¾ (HE fog nozzle)

PDP- 150 GPM @100 psi = 120 psi

PDP- 175 GPM @100 psi = 130 psi

PDP- 225 GPM @100 psi = 150 psi

PLUS

Horizontal Standpipe 200ft. to 250ft. 2 ½

IF ≤ 350 GPM +10 (gated wye)

200ft. **PDP- 150 GPM @ 120 psi + 6 psi FL = 126 psi**

PDP- 175 GPM @130 psi + 8 psi FL = 138 psi

PDP- 225 GPM @150 psi + 13 psi FL = 162 psi

250ft. **PDP- 150 GPM @120 psi + 7 psi FL = 127 psi**

PDP- 175 GPM @ 130 psi + 10 psi FL = 140 psi

PDP- 225 GPM @150 psi + 20 psi FL = 170 psi

Blitz Fire (ground monitor fog nozzle)

Based from 200ft. to 250ft. Horizontal Standpipe 2 ½

500 GPM Max. at 55 psi (orange setting) +25 psi MS device

PDP- 200ft. @142 psi to 250ft. @158 psi

Deck Gun

NP- Smooth bore 80 psi + 25 psi MS device = 105 psi

NP- Fog Nozzle 100 psi + 25 psi MS device = 125 psi

150 GPM min. to 1250 GPM max.

NOZZLE PRESSURE (NP)

Fog- 100 psi

Smooth HL- 50 psi

Smooth MS- 80 psi

Blitz Fire Fog Low (orange)- 55 psi

Master Stream Devices +25 psi / Aerial Ops +25 psi

Standpipe Ops +25 psi (if GPM flow \geq 350) / Appliances +10 psi per if GPM \geq 350

B.C.F.D. COEFICIENTS:

1 ¾ in - 10

2 ½ in - 1.25

3 in – 0.5

5 in – 0.05

SPRINKLER SYSTEM

Pump @ 150 psi

(Unless otherwise indicated)

IN VOLUME