

BODEGA BAY FIRE PROTECTION DISTRICT  
**STANDARD OPERATING GUIDELINE**

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SUBJECT: PUMP OPERATIONAL STANDARDS

DATE: 25Jun02  
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The following standard is to provide pre-designated pump operations.

**STANDARD PRESSURES**

25# FRICTION LOSS PER APPLIANCE

25# TAIL PRESSURE

1/2# +/- PER FOOT OF ELEVATION

90# TO OPERATE RELIEF VALVE

120# FOR ALL 1.75" CROSSLAYS, 2.5" PRECONNECT, REGARDLESS OF LENGTH

150# FOR ALL FIRE DEPARTMENT CONNECTIONS

**NOZZLE STANDARDS**

50# OPERATING PRESSURE HANDLINE SMOOTH BORE NOZZLE

80# OPERATING PRESSURE FOR SB MASTER STREAM

100# OPERATING PRESSURE ALL FOG NOZZLES

1 1/2" ADJUSTIBLE GPM NOZZLES SET AT 125 GPM SEMI-FOG

SB=SMOOTH BORE

MS=MASTER STREAM

<u>NOZZLE SIZE</u>	<u>OPERATING GPM</u>	<u>OPERATING PSI</u>
5/8" SB	90	50
1" SB	225	50
1 1/8" SB	300	50
1 1/4" SB	350	50
1 1/2" SB MS	600	80
1 3/4" SB MS	800	80
2" SB MS	1000	80
1" FOG	15	100
1 1/2" FOG	125	100
2 1/2" FOG	250	100

**FOAM STANDARDS**

CLASS A FOAM=USED FOR CLASS A (ORDINARY COMBUSTIBLES) FIRES

CLASS B FOAM=USED FOR CLASS B (FLAMMABLE LIQUID) FIRES

**FOAM PERSENTAGE STANDARDS**

**CLASS A FOAM**

FIRE ATTACK	=	0.5%
OVERHAUL	=	0.1%
STRUCTURE PROTECTION	=	1.0%

**CLASS B FOAM**

VAPOR REDUCTION	=	3-6%
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