

# TurboDraft™

FIRE E D U C T O R

by Schutte & Koerting



## Training and Flow Test

DISTANCE: 35' - 40'  
LIFT: 10' - 14'  
LOCATION: SOUTHERN MICHIGAN  
CHALLENGE: PRE-PLANNING A STATIC SOURCE FOR FUTURE USE

10' to 14' of lift with one TurboDraft on a 40' 5" & 2nd on a 35' 5" at 200 psi

### FIRST TEST:

Flow Test 1 3/4" tip deluge gun, with 40' of 5" hooked to front suction  
= 575 gpm. (single TurboDraft)

### SECOND TEST:

Flow Test 1 3/4" tip deluge gun, with 35' of 5" hooked to front suction with a 5" siameze  
= 792 gpm (Dual TurboDrafts)

### THIRD TEST:

Flow Test 1 3/4" tip deluge gun, with 35' of 5" hooked to right-side pump steamer  
= 643 gpm (single TurboDraft)

### FINAL TEST:

Flow Test 1 3/4" tip deluge gun, with 35' of 5" hooked to right-side pump steamer and 40' of 5" hooked to front. Suction using both TurboDrafts at the same time = 932 gpm

### CONCLUSION:

Higher flow rates can be achieved bringing the return lines into separate suctions. The siamese restricted flow.

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FIRE EDUCATOR

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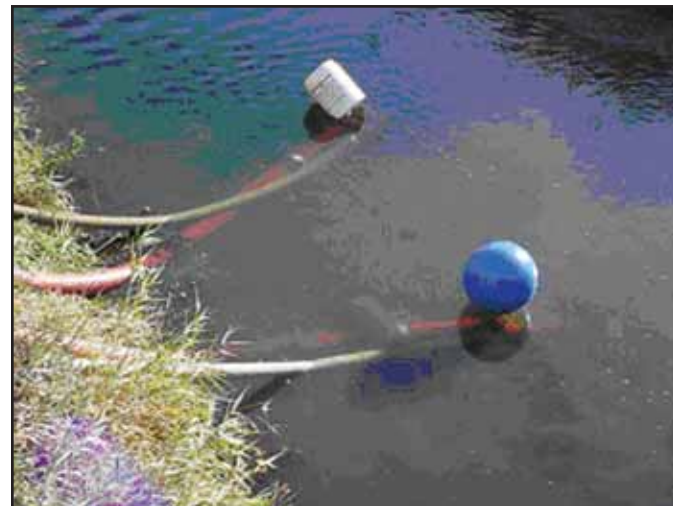
One person deployment



Dual 5" siameze on front suction



792 gpm with dual TurboDrafts



dual TurboDrafts in operation



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932 gpm with dual TurboDrafts at 200 psi with 1 3/4" tip

