

Tested....



### Fire Stream Slide Rule

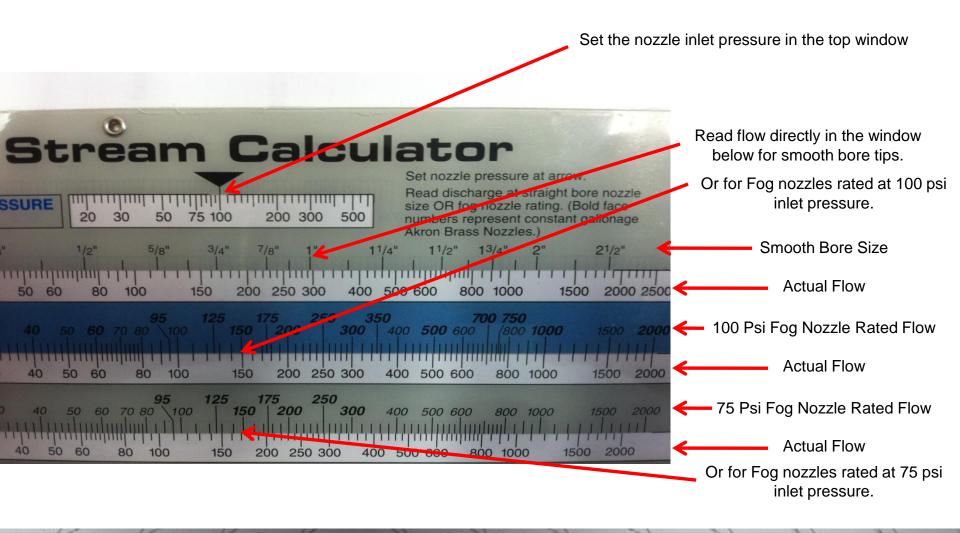
• The Fire Stream Slide Rule is a tool used for basic fire hydraulic calculations.

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- It consists of two sides:
  - 1. Fire Stream Calculator
  - 2. Friction Loss Calculator



#### **Fire Stream Calculator Side**



## Tested... Proven... Trusted

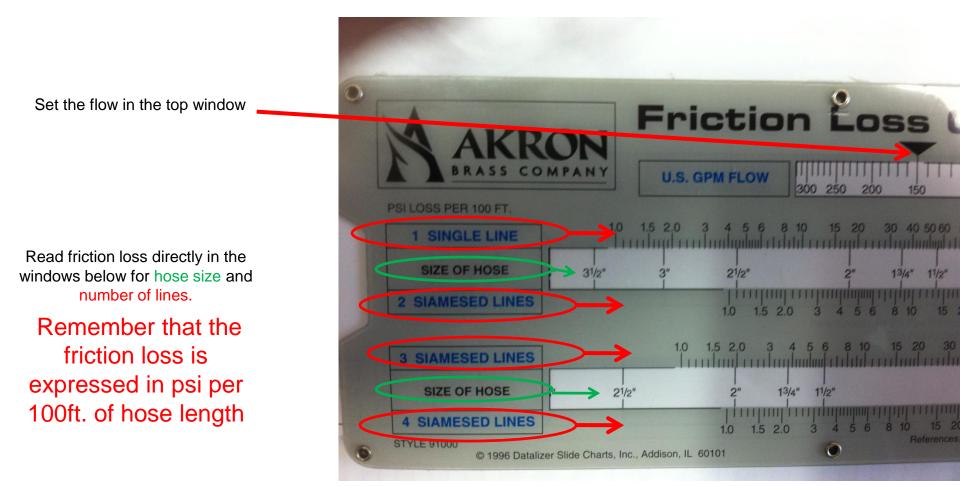
# Summary

You can vary the pressure setting in the top window to see what effect it has on actual flows for any given smooth bore size or fog nozzle flow rating. Conversely, you can dial up a desired flow and determine what pressure is needed to achieve it. Once the required nozzle pressure and flows are known, you can flip to the other side to determine the friction losses in the hose.

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#### **Friction Loss Calculator Side**



Tested... Proven... Trusted.

# Summary

The friction loss is needed in conjunction with the nozzle operating pressure and elevation loss (or gain) to determine the proper pump discharge pressure (PDP=NP + FL +/- EL)

PDP – Pump Discharge Pressure

- NP Nozzle Pressure
- FL Friction Loss
- EL Elevation Loss (or gain)



## You've just completed training on the Akron Brass Fire Stream Slide Rule .



For more information or hands on training contact you local Akron Brass district sales manager or customer service at 330-264-5678.

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