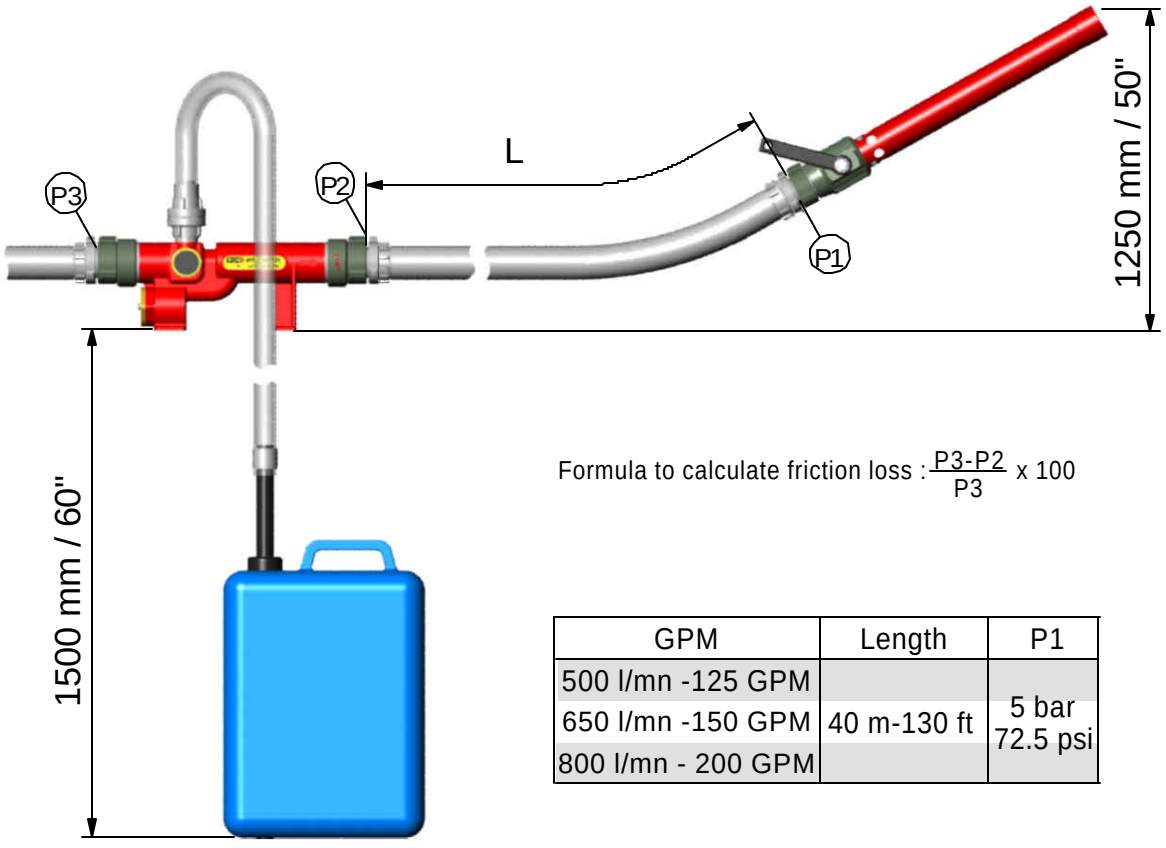
These eductors are made primarily of aluminum alloy in a heat-treated, hard anodized of 50 microns with a fire engine red epoxy finish or in Bronze. Other components are made of aluminum alloy with the trademarked NITUFF™ finish that gives 50 microns of PTFE impregnated anodized.

These eductors operate according to the Venturi principle @ 200 PSI. As the pressurized water passes through the tip of the convergent pipe, a suction effect is created and the foam concentrated liquid is drawn up. The eductor is fitted with a non-return valve with a polyethylene ball valve, which prevents the water from flowing back into the foam concentrated liquid. The metering dial with detents regulates the concentration flow and thus determines the percentage of the concentrated liquid. A pressure-regulating valve ensures a constant foam concentrate mixture even at lower pressure.

Infinite Metering dial with detents: 0 to 6%

Friction loss: +/- 35%



Formula to calculate friction loss : $\frac{P3-P2}{P3}$ x 100

GPM	Length	P1
500 l/mn -125 GPM	40 m-130 ft	5 bar 72.5 psi
650 l/mn -150 GPM		
800 l/mn - 200 GPM		

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