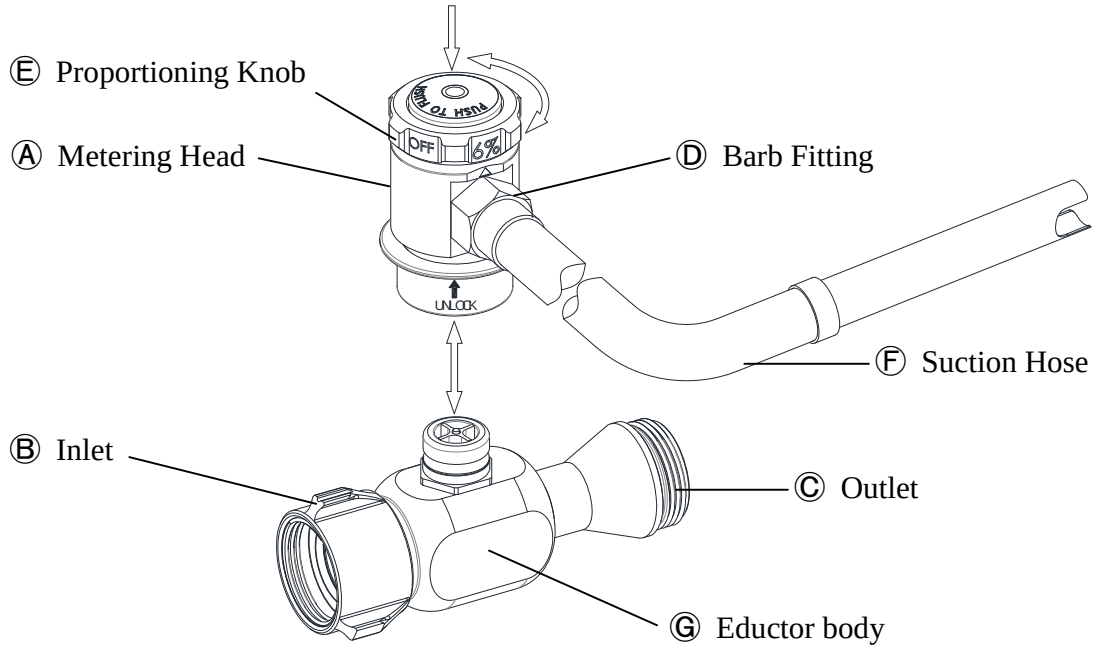
In-line Eductor Model No.2910
Operating and Maintenance Instructions

1. General Information

In-line Eductor Model No. 910 is designed to introduce desired proportion of foam concentrate to water and supply to the nozzle. The eductor is made of bronze material with anodized hardcoat, structurally safe and durable when operated and maintained correctly. It can be hooked up directly to a nozzle or placed in between two hose sections of the discharge line.

2. Operating Instructions

1. Select the right foam concentrate. Improper use of foam can result in injury or damage. Please refer to foam concentrate manufacturer's recommendations in all cases.
2. Ensure the length of the hose is within the calculated maximum lay (See section 4). Pushing the foam solution through the hose and nozzle causes back pressure on the eductor outlet. Excessive back pressure can cause loss of foam flow resulting in injury or death from an ineffective stream.
3. Foam bucket should be placed on level with the eductor body. If the foam bucket needs to be place higher or lower than the eductor, the difference in elevation should not exceed 1.2 meter (see figure A).
4. Ensure the metering head is locked to the eductor body, and the inlet, outlet, and suction hoses are securely connected.
5. Rotate the proportioning knob to the desired concentration percentage.
6. Charge the hose and open the nozzle. Visually check for liquid flow in the clear suction hose.

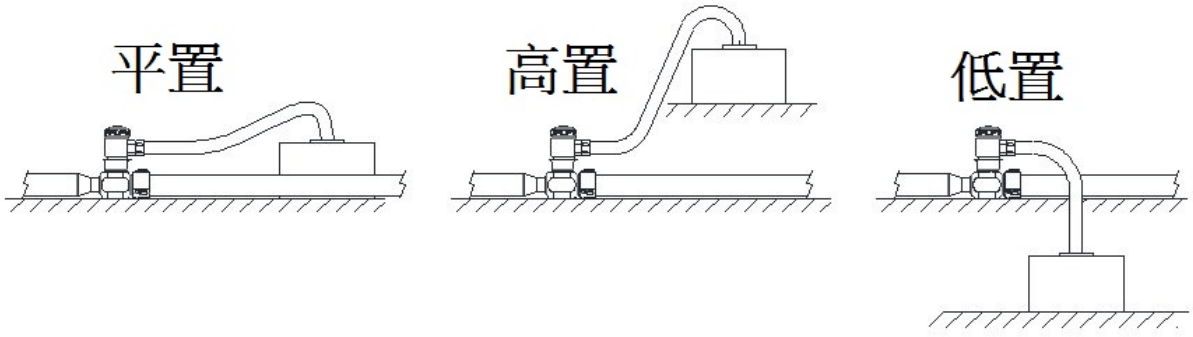


3. Maintenance Instructions

1. After use, turn down the pump pressure to below 75 psi and rotate the proportioning knob to 6%. Turn off the nozzle and press the red flush button on the top of the metering head. Run fresh water through until there is no visible foam in the flush water.
2. Unlock and remove the metering head from the eductor body. Turn off the water supply and remove the eductor from the hose. Wash the metering head and eductor body with fresh water.

Let air dry before storing.

3. Caution: do not exceed 60 psi of water pressure when washing the metering head and eductor body.



4. In-line Eductor Maximum Hose Lay and Elevation Chart

Eductor Rating	Hose Size Inch	3%-6% Solution				Up to 1% Solution			
		100 psi Nozzle		75 psi Nozzle		100 psi Nozzle		75 psi Nozzle	
		Maximum Hose Lay Ft	Elevation Ft	Maximum Hose Lay Ft	Elevation Ft	Maximum Hose Lay Ft	Elevation Ft	Maximum Hose Lay Ft	Elevation Ft
95GPM AT 200psi	1.5	100	10	200	100	150	10	300	10
		-	-	150	50	100	50	200	50
		-	-	-	-	-	-	100	100
	1.75	200	10	350	10	300	10	450	10
		-	-	250	50	150	50	350	50
		-	-	100	100	-	-	300	100
	2	350	10	700	10	500	10	900	10
		150	50	500	50	300	50	600	50
		-	-	150	100	-	-	300	100

Eductor Rating	Hose Size mm	3%-6% Solution				Up to 1% Solution			
		7 bar Nozzle		5 bar Nozzle		7 bar Nozzle		5 bar Nozzle	
		Max Hose Lay Meter	Elevation Meter	Max Hose Lay Meter	Elevation Meter	Max Hose Lay Meter	Elevation Meter	Max Hose Lay Meter	Elevation Meter
360LPM At 14 bar	38	30	3	60	3	45	3	90	3
		-	-	45	15	30	15	60	15
		-	-	-	-	-	-	30	30
	45	60	3	105	3	90	3	140	3
		-	-	75	15	45	15	105	15
		-	-	30	30	-	-	60	30
	50	100	3	210	3	1880	3	250	3
		50	15	100	15	90	15	120	15
		-	-	50	30	45	30	75	30