

## Jet Ratio Controllers (Jet Pumps)

### Description:

Utilizing a small amount of water, this high efficiency venturi-type device moves foam concentrate from a remote storage location to a matched Hydro-Foam™ nozzle. This all-hydraulic system dramatically simplifies and improves the logistics of moving the high quantities of foam concentrate required to extinguish a large flammable liquid fire. Foam concentrate is delivered from the Jet Ratio Controller to a matched Hydro-Foam™ nozzle via fire hose. Depending on nozzle and hose size, as well as the percentage of foam mixed (1% or 3%), the distance between the foam supply and Hydro-Foam™ nozzle can be up to 2,500 feet.

Jet Ratio Controllers are supplied in conjunction with matched Hydro-Foam™ nozzles. Foam concentrate inlet on matched nozzle can be provided with 8 ft. of reinforced clear plastic hose with PVC shut-off valve, and/or metering valve “stinger”. This configuration allows foam concentrate to be drawn directly from a foam concentrate drum and then delivered efficiently to the nozzle via fire hose.

Jet Ratio Controllers are provided with connections at three ports, designated as “inlet,” “discharge” and “suction.” Inlet (female swivel) and discharge (rigid male) has National Hose thread (NST, NH) connections with NPT (M) connection for the concentrate inlet port. Foam concentrate inlet is furnished with standard drum kit, which consists of flexible suction hose, rigid PVC “Stinger” pipe and shutoff valve. Jet Ratio Controller body is all brass construction. “H” series jet ratio controllers are available, on special order, for elevated nozzles, or other high back pressure applications.



MODEL	3%	Flow Match 1%	DISCHARGE “A”	SUCTION “B”	LENGTH “C”
1.5JP24	750 GPM	2000 gpm	1.5”	1.5”	12.375”
1.5JP30	1000 GPM	2500 gpm	1.5”	1.5”	12.375”
2.0JP60	2000 GPM	5000 gpm	2.5”	2”	15.5”