Hydro-Foam™ Monitor Stations

Product Application

Firewater monitors are normally installed, or otherwise made avail- able for exposure protection throughout industrial facilities that process and/or inventory flammable liquids. When employed for water application, they can also serve a dual purpose and be used for applying foam for vapor suppression and/or spill fire protection. Firewater monitors are easily converted to this dual “foam/water” application through the use of a separate/dedicated foam reservoir and a Hydro-Foam™ Nozzle installed on each monitor.

HYDRO-FOAM™ MONITOR STATIONS PROVIDE THE FOLLOWING ADVANTAGES over Handline Hose Stations utilizing Inline Eductors.

*Available in 30 gallon, 55 gallon, 265 gallon containers

Hydraulic Efficiency

Hydro-Foam™ Monitors operate effectively at lower inlet pressures, when compared to handline nozzles used in conjunction with inline eductors.

Inline eductors require a nominal 35% of the available water inlet pressure in order to proportion foam. This pressure drop, when combined with the pressure loss through the delivery hose to the nozzle, translates into required inlet pressures of approximately 50 psi greater than what is needed for Hydro-Foam™ monitors to operate.

Fire Fighting Capability

Hydrocarbon spill fires require a minimum nominal foam application density of 0.1 gpm per sq. ft. Therefore, a 100 gpm handline has the capability of controlling and suppressing approximately 1000 sq. ft. of flame surface area. Scaled up, a 500 (750, 1,000) gpm foam water monitor has the capability of controlling and sup- pressing 5 (7.5, 10) times the flame surface area versus that of a 100 gpm handline nozzle.

Operator Safety

Monitors flowing between 500 and 1,000 gpm have an effective range which is about 3 times farther than that of a 100 gpm hand- line. This greater projection of foam or water translates proportion- ally into more safety for the operator. In addition, when the monitor nozzle is adjusted to the “FULL FOG” position the higher volume of foam or water provides proportionally more cooling for the opera- tor. Also, (as opposed to handlines) monitors can be set up and adjusted - then temporarily left unattended, if necessary.