

Ranger3™ Monitor Nozzle

The Ranger3™, featuring “Smart Nozzle” Technology, was designed for today’s Industrial fire fighting and protection needs. Hazards involving flammable liquids in storage and liquids under pressure have met their match with the New Millennium Equipment from Williams Fire & Hazard Control, Inc™.

The Ranger3™ nozzle combination is capable of not only self-educing foam concentrate, but can do so while maintaining a nearly constant pressure (+/-10%) and a constant foam percentage (1% or 3% selectable) regardless of the flow rate. Discharge flow rates from 1000-3000 USGPM (3800-11356 LPM) can be water only, Hydro-Foam™ (using jet pumps or automatic constant/select- able metering) or Hydro-Chem™ for extinguishing liquids and gases under pressure.

Advancing the Fire Fighter’s Ability with Equipment and Knowledge.

This “Hybrid” nozzle has the unique capability to perform as an automatic pressure or fixed gallonage nozzle. During automatic operation the nozzle will respond to varying flows to maintain a nearly constant tip pressure, thus maximizing effective range for a given discharge flow. Once the nozzle reaches the fixed gallonage set point (1000-3000 GPM), it performs as a conventional fixed gallonage nozzle. This is desirable for foam proportioning operations on storage tank fires or other hazards requiring specific application rates. This nozzle is capable of Hydro-Foam™ proportioning at rates up to 3000 GPM @ 3%. It can automatically maintain a nearly constant foam percentage (1% or 3%) throughout the entire flow range while self-educing. It can optionally be configured to proportion foam from remote locations using jet pump technology (thus forfeiting the constant/selectable metering feature). The extensive Ranger3™ options list allows this nozzle to be Hydro-Chem™ capable (without Hydro-Foam™ capability) with PKW™ flow rates from 25 lbs/s to 50 lbs/s. Pattern control from straight stream to full fog is accomplished via a full wrap-around handle attached to the outer sleeve.



Standard Features List:

- Dual Mode Automatic/Fixed Operation
- Fixed Gallonage plugs: 1K, 2K, 3K
- Hydro-Foam™ Constant/Selectable / 1% or 3% Nozzle
- Wrap-around handle design for pattern control

Options:

- Hydro-Chem™ Tip conversion
- Choke tubes (25 and 50 lbs/s)
- Dry chemical manifolds (4 inlet or 7 inlet)
- 1.5JP30 Jet Pump w/stinger (one)
- 2.0JP60 Jet Pump w/stinger (one)
- 2.5" x 10" Dry Chemical Hose
- 3-2.5" FNST x 3.0" MNPSH Siamese (Jet to Monitor Supply)
- 1-2.5" FNST x 3-1.5" MNST Wye (Jet Pump Supply)