

Ranger Automatic HYDRO-FOAM Monitor Nozzles

Description

The HYDRO-FOAM* Ranger Nozzles from WILLIAMS FIRE & HAZARD CONTROL are advanced firefighting nozzles. They incorporate the effective range of an automatic nozzle with the exclusive combination of self educating/selectable constant metering foam proportioning. Rangers 1.0, 1.5 and 2.0 deliver water flow ranges of 250 gpm to 1,000 gpm (946 Lpm to 3,785 Lpm), 500 gpm to 1,500 gpm (1,893 Lpm to 5,678 Lpm) and 750 gpm to 2,000 gpm (2,839 Lpm to 7,570 Lpm) respectively, while automatically maintaining approximately 100 psi (6.9 bar) throughout their entire flow range, thus maximizing the effective reach distance regardless of the flow.

The self-educating feature converts these nozzles to a self-contained foam system by adding on-site foam proportioning at selectable rate of 1% or 3% from an atmospheric source, providing superior portability and flexibility. Acceptable proportioning range may vary with specific concentrate used. An alternative configuration of these nozzles allows foam proportioning from a remote source using Jet Pump Technology.

These nozzles are constructed from anodized aluminium and include a protective rubber bumper to make the nozzles light weight and durable. The discharge pattern is easily controlled from full fog to straight stream by using the ergonomically designed rubber encapsulated wrap-around handle.

Water inlet is standard (F)NST connection. Optional BSP and NPSH threads are available upon request. Foam port is standard NPT connection. Standard models are provided with manual pattern control. Models with automatic pattern controls are available with 12VDC or 24VDC actuator for popular 3 in. or 4 in. monitors.



010144

Ordering Information

Part No.	Nozzle Model	Water Flow Range	Water Inlet	Foam Port	Self-Educting ¹	Jet Pump Feed ²
10304	Ranger 1.0	250 gpm to 1,000 gpm (946 Lpm to 3,785 Lpm)	2.5 in. (F)NST	1.5 in. (M)NPT	1% or 3% 500 gpm to 1,000 gpm (1,893 Lpm to 3,785 Lpm)	
10305	Ranger 1.0	250 gpm to 1,000 gpm (946 Lpm to 3,785 Lpm)	2.5 in. (F)NST	1.5 in. (M)NPT		x
10313	Ranger 1.5	500 gpm to 1,500 gpm (1,893 Lpm to 5,678 Lpm)	3.5 in. (F)NST	2 in. (M)NPT	1% or 3% 750 gpm to 1,500 gpm (2,839 Lpm to 5,678 Lpm)	
10314	Ranger 1.5	500 gpm to 1,500 gpm (1,893 Lpm to 5,678 Lpm)	3.5 in. (F)NST	2 in. (M)NPT		x
10322	Ranger 2.0	750 gpm to 2,000 gpm (2,839 Lpm to 7,671 Lpm)	3.5 in. (F)NST	2 in. (M)NPT	1% 1,000 gpm to 2,000 gpm (3,785 Lpm to 7,571 Lpm) 3% 1,000 gpm to 1,500 gpm (3,785 Lpm to 5,678 Lpm)	
10323	Ranger 2.0	750 gpm to 2,000 gpm (2,839 Lpm to 7,671 Lpm)	3.5 in. (F)NST	2 in. (M)NPT		x

¹Self-educating proportioning rate may vary slightly depending on the type of foam concentrate and should be validated for accuracy.

Ordering Information (Continued)

Accessories for Ranger Self-Educting Nozzles		
Part No.	Description	Matching Nozzle Models
10414	Tote Kit	Ranger 1.0
10415	Tote Kit	Ranger 1.5/2.0
10411	Single Drum Kit	Ranger 1.0
10412	Single Drum Kit	Ranger 1.5/2.0
14884	Double Drum Kit	Ranger 1.0
14885	Double Drum Kit	Ranger 1.5/2.0
10383	Foam Pick Up Hose 8 ft (2.4 m)	Ranger 1.0
10388	Foam Pick Up Hose 8 ft (2.4 m)	Ranger 1.5/2.0
10405	Valved Stinger	Ranger 1.0
10406	Valved Stinger	Ranger 1.5/2.0

Note: Above models are available with 12VDC or 24VDC actuator and either 18 in. (456 mm) bare leads for wiring to actuated monitors or plug for Akron, Elkhart or TFT actuated monitors.

2Jet pumps sold separately for jet pump feed models, please consult for proper equipment if needed. The above represent standard offerings, many special models also available upon request.

Note: The converted values in this document are provided for dimensional reference only and do not reflect an actual measurement.

WILLIAMS FIRE & HAZARD CONTROL and the product names listed in this material are marks and/or registered marks. Unauthorized use is strictly prohibited.

*HYDRO-FOAM is a trademark of the Elkhart Brass Manufacturing Company.