

Featuring the Innovative Rylstatic® System
The Latest Patented Technology from Tipsa

RYLSTATIC SYSTEM
Innovative Fog Technology

Viper™ ® Spartan

Premium Quality Constant Gallonage Nozzle

Always on the front line of fire

tipsa Kuriyama Group

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Versatile Lightweight Constant Flow Nozzles with New Fixed Orifice	High Quality Valve With Dual Seat & Dual Driven Shaft
Patented Rylstatic System for a Superior Fog Pattern - Maintenance Free with No Spinning Teeth to Break	Designed & Built to Meet NFPA 1964 & UNE EN 15182-1 and EN-15182-2 Type 2 Requirements







Flow Settings:

Excellent stream performance at a variety of pressures ranging from 50 PSI (3.5 bar) to 100 PSI (7 bar). Versatile, easy to use and available in four models with over 40 flow and pressure configurations to meet any demand. The FLUSH mode is used to ensure that any debris is flushed from the nozzle to avoid pattern disruptions or flow reductions.

Stream Pattern:

The nozzle stream is adjusted by rotating the bumper giving the firefighter the widest fog pattern (Full Fog – Protection) to the narrowest fog pattern (Narrow Fog and Straight Stream). The bumper has a raised lug to identify the Narrow Fog in low visibility conditions. The VIPER® Spartan series comes standard with the innovative patented fog pattern called RYLSTATIC®. RYLSTATIC® is a system that gives you a uniform water fog with smaller water droplets and less friction loss than other traditional systems. VIPER® Spartan nozzles have been designed to offer a broader fog shield of protection to the firefighters.

Shut Off Valve:

The valve has a dual seat and dual driven shaft to offer better performance against water hammers and to enhance its durability. The valve itself is a low maintenance product with a stainless steel ball valve operated through an OPEN/CLOSE handle. The operation is smooth and constant allowing firefighters to open and close the valve easily.

Stainless Steel Inlet Screen:

A stainless steel screen is mounted within the inlet to prevent materials from entering the nozzle, which reduces the risk of damage or failure during operation.

Ring Markings:

Markings on the flow selector ring and the pattern ring are laser engraved onto anodized aluminum that are easy to read and will not fade.





TIPSA- Kuriyama Group · Av. de Barcelona, 20 · 08970 Sant Joan Despí / Barcelona, Spain

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Viper™ ® Spartan

Premium Quality Constant Gallonage Nozzle

Lot Number:

Every nozzle is marked with a lot number before leaving the factory. This number can be used for traceability purposes.

Inlet Options:

The VIPER Spartan® constant flow nozzles are available with the following standard threads:

· NST/NH Female

· NPSH/IPT Female

· BSP Female

The VIPER® Spartan nozzles are available upon request with the following couplings: STORZ, BARCELONA UNE 23400, DSP/GUILLEMIN, UNI, NOR and GOST.

The swivel inlet allows the nozzle to rotate continuously while connected to the supply hose.

Foam:

The VIPER® Spartan nozzle can be used as a foam nozzle with the addition of the optional foam tube. The nozzle works well with pre-mixed solutions or with inline eductors.

Approvals and Standards :

The VIPER® Spartan nozzle complies with NFPA 1964 and is manufactured in an ISO9001 accredited facility. EN15182-1 & EN15182-2 type 2 Self-certificate available by request.

Service and Maintenance:

The VIPER® Spartan nozzle requires minimal maintenance during operation provided the unit is regularly flushed with clean water after being used with foam or contaminated water. Service kits are also available.



tipsa Reserves the right to modify any specification without prior notice to meet or exceed changing standards. Special construction characteristics can be produced upon special request. Contact your local dealer or TIPSA at: tipsaex@tipsa.com

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The innovative RYLSTATIC® System is a patented technology



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1" Viper® Spartan	Nozzle Model	Length		Weight		Swivel Inlet	Nozzle Flow				Effective Reach*		Attach. Foam Tube
							50 psi	75 psi	6 bar	100 psi			
		cm	inch	kg	lbs	inch	gpm	gpm	lpm	gpm	m	ft	
	VS 25	20.6	8.11	1.23	2.72	1" standard or 1 ½" optional			19	5	16	52	CEP VA 1"
									50	15	20	66	
									150	30	23	75	
									250	60	27	89	

1 ½" Viper® Spartan	Nozzle Model	Length		Weight		Swivel Inlet	Nozzle Flow				Effective Reach*		Attach. Foam Tube
							50 psi	75 psi	6 bar	100 psi			
		cm	inch	kg	lbs	inch	gpm	gpm	lpm	gpm	m	ft	
	VS 95	21.7	8.54	1.60	3.53	1 ½" female standard or 2" BSP optional	60	60	250	60	27	89	CEP VA 1 1/2"
							75	75	360	75	29	95	
							95	95	400	95	33	108	
								125	500	125	37	121	
	VS 150	25.3	9.96	2.25	4.96	1 ½" female standard or 2" BSP optional	95	95			32	105	
							125	125	500	125	37	121	
							150	150	550	150	38	125	
								175	650	175	38	126	
									750	200	39	128	

2 ½" Viper® Spartan	Nozzle Model	Length		Weight		Swivel Inlet	Nozzle Flow				Effective Reach*		Attach. Foam Tube
							50 psi	75 psi	6 bar	100 psi			
		cm	inch	kg	lbs	inch	gpm	gpm	lpm	gpm	m	ft	
	VS 300	33.6	13.23	3.42	7.54	2 ½" female	250	250	950	250	41	135	-

* The Effective Reach has been measured at 6 bar (85 psi).
The RYLSTATIC® System is a low maintenance system.

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