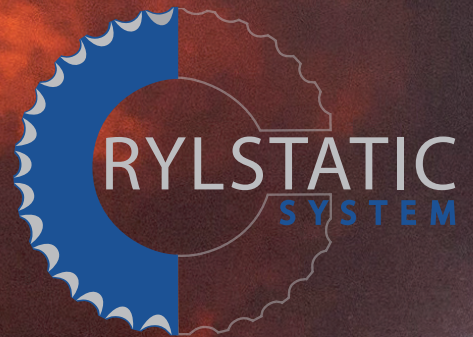


*Featuring the Innovative Rylstatic® System
The Latest Patented Technology from Tipsa*



Innovative Fog Technology

ViperTM ***Blue Devil***

Premium Quality Selectable Gallonage Nozzle

Always on the front line of fire



ViperTM Blue Devil

Premium Quality Selectable Gallonage Nozzle



Versatile Selectable Flow Nozzles

High Quality Valve With Dual Seat & Dual Driven Shaft

Patented Rylstatic System for a Superior Fog Pattern

Designed & Built to Meet NFPA 1964 & UNE EN 15182-2 Type 3 Requirements



Flow Settings:

The flow rate can be set through an easy grip ring featuring preset positions. The flow ring has a raised lug to identify the maximum flow setting in low visibility conditions. 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 BLUE DEVIL 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 BLUE DEVIL nozzles have been designed to offer a broader fog shield of protection to the firefighters. Traditional spinning teeth are available as an option on all VIPER BLUE DEVIL nozzles.

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 (except for the 2 1/2" size which utilizes a highly engineered polymer resin ball) 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.



ViperTM Blue Devil

Premium Quality Selectable 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 BLUE DEVIL[®] selectable flow nozzles are available with the following standard threads:

- NST/NH Female
- NPSH/IPT Female
- BSP Female

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

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

Foam:

The VIPER BLUE DEVIL[®] 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 BLUE DEVIL[®] nozzle complies with NFPA 1964 and is manufactured in an ISO9001 accredited facility. EN15182-1 & EN15182-2 type 3 Certificate available by request.

Service and Maintenance:

The VIPER BLUE DEVIL[®] 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.



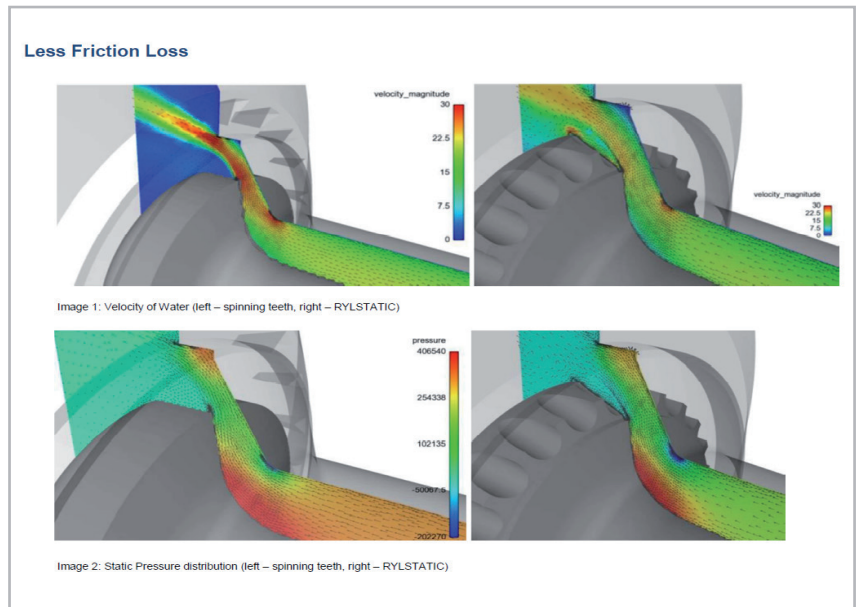
RYLSTATIC: The Ultimate Concept in Firefighting Nozzles



RYLSTATIC is the ultimate concept in firefighting nozzles. It is a patented design made by TIPSA as a result of continuous research and development.

RYLSTATIC is an improved alternative to fixed bumper teeth and turning teeth turbine that improves firefighting nozzles in the following points:

- Less friction loss
- Improved FOG, more uniform with smaller water droplets and bigger humidity power
- Ease of maintenance
- Solid protection shield



1" Viper [®] Blue Devil *	Nozzle Model	Swivel Inlet (+ Coupling)	Length		Weight		Nozzle flow		Effective Reach		Attach. Foam Tube
		inch	cm	inch	kg	lbs	lpm (at 6 bar)	gpm (at 100 psi)	m (at 6 bar)	ft (at 100 psi)	
	BD 550	1" Female	22.5	8.86	1.61	3.55	25	5	16	54	CEP BD 1560
							50	15	20	68	
							125	30	24	82	
							175	50	26	88	
	BD 1330	1" Female	22.5	8.86	1.61	3.55	50	13	20	68	
							90	23	22	75	
							115	30	23	78	
	BD 1035	1" Female	22.5	8.86	1.61	3.55	40	10	19	65	
							80	21	21	71	
							130	35	24	82	
	BD 1540	1" Female	22.5	8.86	1.61	3.55	50	15	20	68	
							100	30	23	78	
							150	40	25	85	
	BD 1560	1" Female	22.5	8.86	1.61	3.55	50	15	20	68	
							100	30	23	78	
							160	45	25	85	
							210	60	27	92	

*High pressure option available as well for a perfect performance even at 580 psi (40 bar), according to EN 15182-4 Type 3.

ViperTM Blue Devil

Premium Quality Selectable Gallonage Nozzle



1 ½" Viper TM Blue Devil	Nozzle Model	Swivel Inlet (+ Coupling)	Length		Weight		Nozzle flow		Effective Reach		Attach. Foam Tube
		inch	cm	inch	kg	lbs	lpm (at 6 bar)	gpm (at 100 psi)	m (at 6 bar)	ft (at 100 psi)	
	BD 550	1 ½" Female	22.7	8.94	1.65	3.64	25	5	16	54	CEP BD 1560
							50	15	20	68	
							125	30	24	82	
							175	50	26	88	
	BD 1035	1 ½" Female	22.7	8.94	1.65	3.64	40	10	19	65	
							80	21	21	71	
							130	35	24	82	
	BD 1560	1 ½" Female	22.7	8.94	1.65	3.64	50	15	20	68	
							100	30	23	78	
							160	45	25	85	
							210	60	27	92	
	BD 3012	1 ½" Female	24.2	9.53	1.98	4.37	115	30	23	78	CEP BD 3012
							230	60	27	92	
							360	95	33	112	
							465	125	37	126	
	BD 3013	1 ½" Female	24.2	9.53	1.98	4.37	115	30	23	78	
							230	60	27	92	
							360	95	33	112	
							500	132	37	126	
	BD 3015	1 ½" Female	24.2	9.53	1.98	4.37	100	30	23	78	
							210	60	27	92	
							330	95	33	112	
							430	125	37	126	
	BD 4013	1 ½" Female	24.2	9.53	1.98	4.37	525	150	38	129	
							150	40	25	85	
							250	66	28	95	
							500	132	37	126	
	BD 7515	1 ½" Female	24.2	9.53	1.98	4.37	260	75	29	99	
							330	95	33	112	
							430	125	37	126	
							525	150	38	129	
	BD 9520	1 ½" Female	28.0	11.02	3.28	7.22	360	95	33	112	CEP BD 9520
							470	125	37	126	
							560	150	38	129	
							750	200	39	133	



The innovative RYLSTATIC[®] System is a patented technology



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

2" <i>Viper</i> ® Blue Devil	Nozzle Model	Swivel Inlet (+ Coupling)	Length		Weight		Nozzle flow		Effective Reach		Attach. Foam Tube
		inch	cm	inch	kg	lbs	lpm (at 6 bar)	gpm (at 100 psi)	m (at 6 bar)	ft (at 100 psi)	
	BD 3012	2" Male	26.8	10.55	2.07	4.57	115	30	23	78	CEP BD 3012
							230	60	27	92	
							360	95	33	112	
							465	125	37	126	
	BD 3013	2" Male	26.8	10.55	2.07	4.57	115	30	23	78	
							230	60	27	92	
							360	95	33	112	
							500	132	37	126	
	BD 3015	2" Male	26.8	10.55	2.07	4.57	100	30	23	78	
							210	60	27	92	
							330	95	33	112	
							430	125	37	126	
							525	150	38	129	
	BD 4013	2" Male	26.8	10.55	2.07	4.57	150	40	25	85	
							250	66	28	95	
							500	132	37	126	
	BD 7515	2" Male	26.8	10.55	2.07	4.57	260	75	29	99	
							330	95	33	112	
							430	125	37	126	
							525	150	38	129	
	BD 9518	2" Male	31.0	12.20	3.39	7.48	400	106	35	119	
							500	132	37	126	
							600	159	38	129	
							700	185	39	133	
BD 9520	2" Male	31.0	12.20	3.39	7.48	360	95	33	112		
						470	125	37	126		
						560	150	38	129		
						750	200	39	133		
BD 12250	2" Male	31.0	12.20	3.39	7.48	470	125	37	126		
						560	150	38	129		
						750	200	39	133		
						950	250	41	139		

2 1/2" <i>Viper</i> ® Blue Devil *	Nozzle Model	Swivel Inlet (+ Coupling)	Length		Weight		Nozzle flow		Effective Reach		Attach. Foam Tube
		inch	cm	inch	kg	lbs	lpm (at 6 bar)	gpm (at 100 psi)	m (at 6 bar)	ft (at 100 psi)	
	BD 9520	2 ½" Female	32.8	12.91	3.59	7.93	360	95	33	112	CEP BD 9520
							470	125	37	126	
							560	150	38	129	
							750	200	39	133	
	BD 12250	2 ½" Female	32.8	12.91	3.59	7.93	470	125	37	126	
							560	150	38	129	
							750	200	39	133	
							950	250	41	139	

The Effective Reach measured in feet is at 100 PSI, while the effective reach measured in meters is at 6 Bar (85 PSI).

The RYLSTATIC[®] System is a low maintenance system.

All nozzle lengths are measured in "FOG" position.