

The Nozzles That Get You to the Seat of the Fire



## Viper® BORE NOZZLE

*Viper fire suppression from Kuriyama Fire Products.*

### General Applications:

The VIPER® Bore Nozzle is the combination of a VIPER® Bore Tip and a VIPER® Shut-Off for effective fire suppression.

### Construction:

- Lightweight hard coat anodized aluminum

### Features and Advantages:

- Combine with the Viper Ball Valve with Dual Seat and Dual Driven Shaft for superior firefighting solutions.
- Concentrated water flow while using lower pressures.
- Several sizes and orifices available.
- Select the nozzle tip size to meet your individual needs.

## Viper® BORE TIP

*Provide Flow Discharge at Different Pressures*

### Construction:

- All VIPER® Bore Tip models use standard NH inlet threads.

### Features and Advantages:

- **VIPER® Bore Tip Flow Markings** - Flow markings on the VIPER® Bore Tip are laser engraved onto hard coat anodized aluminum that are easy to read and will not fade.

**Approvals and Standards** – The VIPER® Bore Tip is National Fire Protection Association (NFPA) 1964 compliant and is manufactured in an ISO 9001 accredited facility. European Standards (EN) 15182-1 and EN15182-2 type 3 Certificates are available by request.

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### Service and Maintenance:

The VIPER® Bore Nozzles require minimal maintenance during operation provided the unit is regularly flushed with clean water after being used with contaminated water. Service kits are also available.



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## Viper® BORE TIP

### VIPER® Bore Tip Flow Discharge at Different Pressures:

Bore Size (in)	Water Flow Discharge							
	at 50 psi (3.4 bar)		at 75 psi (5.2 bar)		at 80 psi (5.5 bar)		at 100 psi (6.9 bar)	
	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm
3/8	30	114	36	136	37	140	42	159
1/2	53	200	64	242	66	250	74	280
5/8	82	310	101	382	104	394	116	439
3/4	118	447	145	549	149	564	167	632
7/8	161	609	197	746	203	768	227	859
15/16	185	700	226	856	234	886	261	988
1	210	795	257	973	266	1,007	297	1,124
1 1/16	237	897	290	1,098	300	1,136	335	1,268
1 1/8	266	1,007	326	1,234	336	1,272	376	1,423
1 1/4	328	1,242	402	1,522	415	1,571	464	1,756



Part Number	Type	Inlet (in)	Bore Size (Orifice)		Length		Weight (each)	
			(in)	(mm)	(in)	(mm)	(lbs)	(kg)
I218647	Adapter Bore	1 1/2 x 1 1/2	15/16	23.8	2 3/4	7.0	0.85	0.39
I218674	Plain Tip	1	3/8	9.5	4 1/3	11.0	0.50	0.23
I218675		1	1/2	12.7	4 1/3	11.0	0.50	0.23
I218646		1	5/8	15.9	4 1/3	11.0	0.50	0.23
I218677		1 1/2	5/8	15.9	3 3/4	9.5	0.60	0.27
I218676		1 1/2	3/4	19.1	3 3/4	9.5	0.60	0.27
I218649		1 1/2	7/8	22.2	3 3/4	9.5	0.60	0.27
I218678		1 1/2	15/16	23.8	3 3/4	9.5	0.60	0.27
I218668		1 1/2	3/4	19.1	5	12.7	0.80	0.36
I218669	1 1/2	7/8	22.2	5	12.7	0.80	0.36	
I218670	Smooth Bore Tip	1 1/2	15/16	23.8	5	12.7	0.80	0.36
I218671		1 1/2	1	25.4	5	12.7	0.80	0.36
I218672		1 1/2	1 1/16	27.0	5	12.7	0.80	0.36
I218644		1 1/2	1 1/8	28.6	5	12.7	0.80	0.36
I218673		1 1/2	1 1/4	31.8	5	12.7	0.80	0.36
I218691	Dual Stacked Tip	1 1/2	15/16 & 1/2	23.8 & 12.7	6 1/2	16.5	0.70	0.27