Viper Foam Series

Swivel :

- NST or NPSH for PVB models
- NST only for BYPP models

Weights:

- BYPP's: 1.75lbs
- PVB1550: 3lbs
- PVB3012: 3.5lbs
- PVB7515: 3.5lbs
- PVB9520: 3.5lbs
- CEP1560: 1lb
- CEP3012: 2lbs

Lengths:

- BYPP1560: 7"
- BYPP3012: 6"
- BYPP7515: 6"
 BYPP9520: 6"
- PVB1560: 15.5"
- PVB3012: 18.5"
- PVB7515: 18.5"
- CEP1560: 12"
- CEP3012: 16.25"

BYPP w/ dial Height:

• All 5.75"

Made of extruded E-Lite alloy & Hard anodized

All Viper models are individually tested



FOAM EDUCTORS (BYPP)

FOAM NOZZLES (PVB)



FOAM NOZZLES FLOW DATA

STYLE	NOZZLE PRES- SURE (psi)	NOZZLE FLOW (gpm)	EXPANSION RATE	EFFECTIVE REACH
	75	30	10:1	30
FVB1500	100	35	10:1	36
PVB3012	75	60	12:1	39
	100	69	12:1	46
PVB7515	75	95	9:1	46
	100	110	9:1	56

FOAM PROPORTIONER FLOW DATA

STVI E		ELOW(app)	PRESSURE LOSS	
STILE	FRESSORE (psi)	FLOW (gpm)	FOAM	BY-PASS
BYPP1560	100	18	39%	7%
	150	23	39%	7%
BYPP3012	100	46	33%	14%
	150	56	33%	14%
	100	92	30%	15%
DTFF/313	150	113	30%	15%
BYPP9520	100	110	30%	15%
	150	130	30%	15%



VB1560 and VB3012 BOM			
REFERENCE	PART NAME	PART #	QUANTITY
1	1" GASKET	GASKET_1	1
1a	1.5" GASKET	GASKET_15	1
2	1" SWIVEL	V-1" SWIVEL	1
2a	1.5" SWIVEL	V-1.5" SWIVEL	1
3	SWIVEL O-RING	V-ORING-SW-3012	1
4	BALL	V-BALL-3012	1
5	PISTOL GRIP	V-PG15V	1
<u>6</u> 7	BALL LOCATOR (2 PIECES)	V-BALLLOC-3012	1
8	PISTOL GRIP SET PIN	V-SETPIN-3012	1
9	VALVE BODY	VLVBDY-3012	1
10 11 12	SEAT RETAINER (3 PIECES)	V-SEATRTNR-3012	1
13 14	BALL ACUATOR (2 PEICES)	V-BALLACT-3012	1
15	PAN HEAD COVER	V-PANHEAD-3012	1
16	SWIVEL SET PIN	V-SETPIN-3012	1
17	BALL BEARINGS	V-BEARINGS-3012	32
18	HANDLE (BAIL)	V-HANDLE-3012	1

BALL SHUTOFF USE:

- Open and close the valve slowly to reduce risk of water hammer.

- Pull the bail handle toward the swivel to OPEN the valve.

- Push the bail handle toward the tip of the nozzle to CLOSE the valve.

EDUCTOR USE:

- These work under the "Venturi principle" and need at least 75psi to operate. 200psi at eductor suggested.

- Note: there are separate attachments to meter foam concentrate 3%

and 6% come standard 1% and 2% optional. These screw on between the eductor body and the eductor hose, each is marked. 5 setting dial optional.

- There is a bypass switch on the body of the eductor that controls whether water or foam is being flowed.

- Any nozzle used needs to flow at least the rated flow of the eductor. It is suggested to have a nozzle that is capable of 30% more.

VB1560 and VB3012 AVAILABLE KITS		
KIT#	KIT Name	PARTS CONTAINED
VVRK-3012	Valve Repair Kit Small	1,1a,3,4,6,7,10,11,12,13,14,15,16,17,18
VBSC-3012	Ball & Seat Combo Small	4,10,11,12
V-HH5-3012	Handle Hardware Small	6,7,13,14,15
V-SWKIT3012	Swivel Kit 1" & 1.5" Small	1,1a,3,16,17



PLEASE BE RESPONSIBLE! PLEASE BE CAREFUL!

THE USER OF THIS EQUIPMENT IS PERSONALLY RESPONSIBLE FOR THE FOLLOWING:

- 1. You need to know and understand that Firefighting and Emergency response is dangerous and proper training is needed.
- 2. You need to be physically fit and skillful in the use of any equipment that you may need to use.
- 3. You need to know that your equipment is in proper working order.
- 4. You need to know carelessness or negligence may result in injury or death.

PLEASE BE RESPONSIBLE! PLEASE BE CAREFUL!





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To Order Call: 970-663-4966 or E-mail: Sales@CSSupplyinc.com



VIPER Bypass Eductors Now have a Metering Dial Option



BYPP1550-DIAL	1"NST	30GPM BYPASS Eductor with metering dial (OFF, .5%, 1%, 3%, 6%)
BYPP3012-DIAL	1.5" NST	60GPM BYPASS Eductor with metering dial (OFF, .5%, 1%, 3%, 6%)
BYPP7515-DIAL	1.5" NST	95GPM BYPASS Eductor with metering dial (OFF, .5%, 1%, 3%, 6%)
BYPP9520-DIAL	1.5" NST	125GPM BYPASS Eductor with metering dial (OFF, .5%, 1%, 3%, 6%)

VIPER Bypass Foam Eductors can now be equipped with Dial knob for use with Class A or B foam at .5%, 1%, 3% or 6%. There is an off setting for Extra long 48" pickup hose and stainless steel wand. All the moving parts are easy to use with gloved hands. Made of hard coat anodized aluminum for corrosion protection.



NEW

REPAIR and USE VIDEOS ONLINE https://www.cssupplyinc.com/videos



- 1. Operating pressure: 200 psi inlet pressure suggested for best operation. We have provided a basic calculation below for more exact flow calculations. (average pressure loss through the eductor 30-40%)
- 2. Bypass Switch arrow pointing toward the FOAM to educt foam concentrate. To flush the system or break the venturi switch the bypass to WATER. (Note: the switch only moves about 3/4")
- 3. Hose length after the eductor:
 - 1" hose: no more than 200' past the eductor (30GPM eductor only)
 - 1-1/2" hose: no more than 150' past the eductor (See example below) 1-3/4" hose: no more than 200' past the eductor
- 4. Nozzle must flow at least the rated flow of the eductor. If the nozzle flows less than the eductor rating venutri will not be achieved and no foam will be created.





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