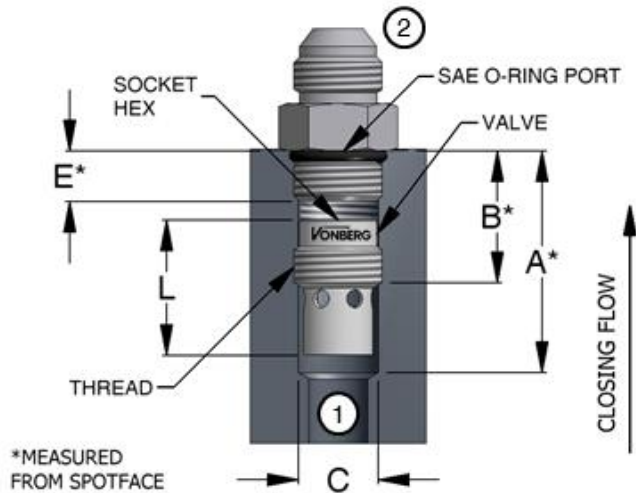
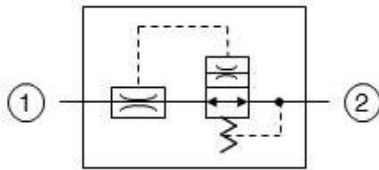


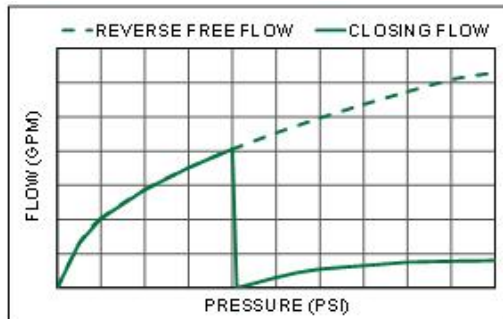
### PRODUCT



### SCHEMATIC



### TYPICAL PERFORMANCE



### DESCRIPTION

A IN-LINE, THREADED INSERTABLE VELOCITY FUSE THAT PROVIDES FULL-LINE SHUT-OFF IN THE EVENT OF A LINE FAILURE.

### OPERATION

- A FLOW BELOW THE SPECIFIED LIMIT IS ALLOWED FROM (1) TO (2).
- FLOW ABOVE THE SPECIFIED LIMIT IS ASSUMED TO BE A LINE FAILURE AND IS LIMITED.
- FLOW FROM (2) TO (1) PASSES THROUGH THE CONTROLLING ORIFICE BUT IS UNCONTROLLED.
- BLEED RATE AFTER CLOSING IS 2.0 - 3.0 GPM AT 3000 PSI.

### FEATURES

- STEEL COMPONENTS.
- RAPID RESPONSE.
- POSITIVE CLOSE.
- NON-STANDARD BLEED FLOW RATES ARE AVAILABLE UPON REQUEST.

### SPECIFICATIONS

OPERATING PRESSURE	3500 PSI
TEMPERATURE RANGE	250° F TO -40° F
REOPENING DIFFERENTIAL	50 PSI
CLOSING FLOW TOLERANCE	+15% / -0%

### ORDERING INFORMATION

SERIES NUMBER 86  
 PORT SIZE XX  
 CLOSING FLOW (GPM) XX

MODEL	THREAD	FLOW RANGE	L	A	B	C	E	HEX	TORQUE
8604	7/16 - 20	0.2 TO 4.0 GPM	0.66	1.30	0.80	0.390 - 0.395	0.360	0.125	25 in-lbs
8606	9/16 - 18	0.2 TO 8.0 GPM	0.72	1.41	0.87	0.502 - 0.515	0.391	0.187	5 ft-lbs
8608	3/4 - 16	0.5 TO 15.0 GPM	1.15	1.95	1.15	0.682 - 0.696	0.438	0.312	8 ft-lbs
8610	7/8 - 14	1.0 TO 25.0 GPM	1.25	2.15	1.05	0.798 - 0.814	0.500	0.375	12 ft-lbs
8612	1 1/16 - 12	2.0 TO 40.0 GPM	1.50	2.50	1.30	0.972 - 0.990	0.594	0.438	18 ft-lbs
8616	1 5/16 - 12	5.0 TO 50.0 GPM	1.50	2.67	1.30	1.222 - 1.240	0.594	0.500	30 ft-lbs
8620	1 5/8 - 12	5.0 TO 65.0 GPM	1.85	3.05	1.30	1.535 - 1.553	0.594	0.625	40 ft-lbs
8624	1 7/8 - 12	5.0 TO 80.0 GPM	2.13	3.38	1.37	1.785 - 1.803	0.594	0.687	50 ft-lbs

This document, as well as all catalogs, price lists and information provided by Vonberg Valve, Inc., is intended to provide product information for further consideration by users having substantial technical expertise due to the variety of operating conditions and applications for these valves, the user, through its own analysis, testing and evaluation, is solely responsible for making the final selection of the products and ensuring that all safety, warning and performance requirements of the application or use are met. The valves described herein, including without limitation, all component features, specifications, designs, pricing and availability, are subject to change at any time at the sole discretion of Vonberg Valve, Inc. without prior notification.

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