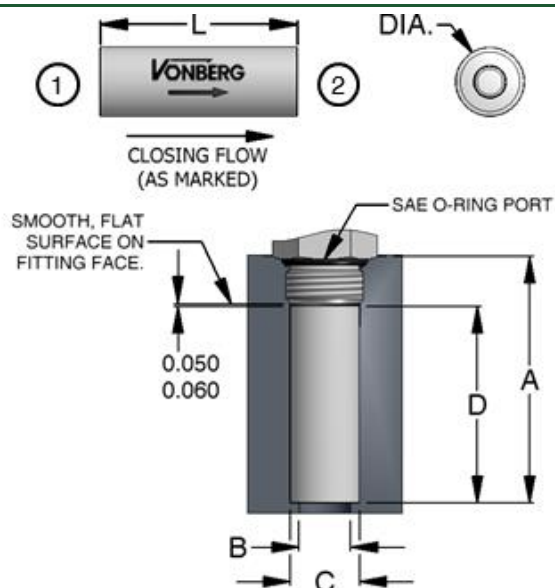
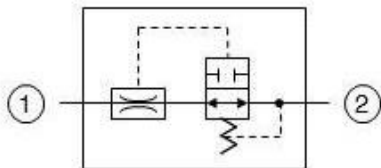


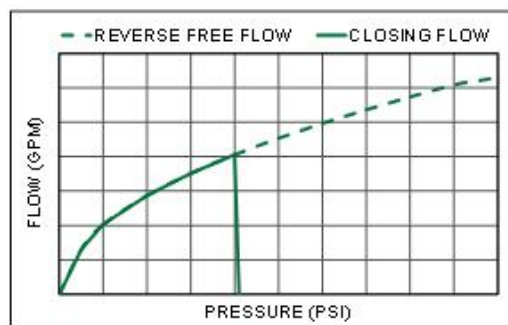
PRODUCT



SCHEMATIC



TYPICAL PERFORMANCE



DESCRIPTION

AN IN-LINE, SLIP-IN CARTRIDGE STYLE 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 BLOCKED.
- FLOW FROM (2) TO (1) PASSES THROUGH THE CONTROLLING ORIFICE BUT IS UNCONTROLLED.
- BORE DEPTHS ASSUME THE USE OF A STANDARD O-RING COSS CONNECTOR WITH THREAD LENGTHS BASED ON SAE J514.
- VALVE BODY IS LEFT WITH APPROX. 0.060" OF SLACK IN THE CAVITY TO PREVENT DAMAGING VALVE.
- VALVE BODY SEATS ON SMOOTH, FLAT SURFACE OF FITTING IN THE CLOSING FLOW DIRECTION.

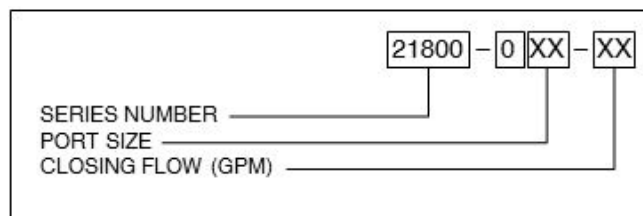
FEATURES

- STEEL COMPONENTS.
- FAIL SAFE DESIGN.
- RAPID RESPONSE.

SPECIFICATIONS

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

ORDERING INFORMATION



Model	DIA.	L	FLOW RANGE	A	B (MAX.)	C	D
21800-006	0.506	1.70	0.5 TO 10.0 GPM	2.15 / 2.16	0.375	0.510 / 0.515	1.76 / 1.77
21800-008	0.670	1.88	0.5 TO 25.0 GPM	2.38 / 2.39	0.500	0.672 / 0.677	1.94 / 1.95
21800-010	0.795	1.90	2.0 TO 40.0 GPM	2.46 / 2.47	0.625	0.797 / 0.802	1.96 / 1.97
21800-012	0.970	1.90	2.0 TO 40.0 GPM	2.56 / 2.57	0.812	0.972 / 0.977	1.96 / 1.97
21800-014	1.095	2.14	2.0 TO 50.0 GPM	2.80 / 2.81	0.812	1.097 / 1.102	2.20 / 2.21
21800-016	1.220	2.14	2.0 TO 50.0 GPM	2.80 / 2.81	0.937	1.222 / 1.227	2.20 / 2.21
21800-024	1.783	3.25	5.0 TO 80.0 GPM	3.91 / 3.92	1.437	1.787 / 1.792	3.31 / 3.32

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.

Page last updated: February 19, 2015

