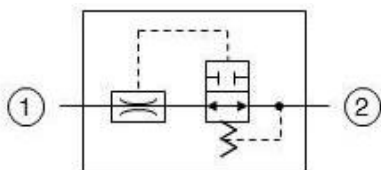


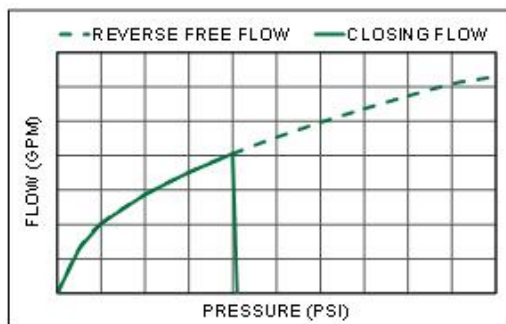
PRODUCT



SCHEMATIC



TYPICAL PERFORMANCE



DESCRIPTION

A 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.

FEATURES

- STEEL COMPONENTS.
- INDUSTRY COMMON CAVITY.
- RAPID RESPONSE.
- POSITIVE CLOSE.

SPECIFICATIONS

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

ORDERING INFORMATION

81	XX	-XX	-XX
SERIES NUMBER _____ PORT SIZE _____ CLOSING FLOW (GPM) _____ BODY PORT SIZE CODE _____ BLANK..... CARTRIDGE ONLY SERIES CODE... SEE "CARTRIDGE BODIES", X-2 SERIES			

MODEL	THREAD	FLOW RANGE	CAVITY	L1	L2	HEX	A	TORQUE
8104	7/16 - 20	0.2 TO 2.0 GPM	4-2	0.94	0.55	0.56	0.277 / 0.278	10 ft-lbs
8106	9/16 - 18	0.5 TO 3.0 GPM	6-2	0.84	0.53	0.69	0.467 / 0.468	15 ft-lbs
8108	3/4 - 16	0.2 TO 5.0 GPM	8-2	1.10	0.50	0.88	0.495 / 0.497	20 ft-lbs
8110	7/8 - 14	0.5 TO 8.0 GPM	10-2	1.25	0.75	1.00	0.621 / 0.623	25 ft-lbs
8112	1 1/16 - 12	1.0 TO 15.0 GPM	12-2	1.81	0.75	1.25	0.870 / 0.873	40 ft-lbs
8116	1 5/16 - 12	2.0 TO 25.0 GPM	16-2	1.75	0.75	1.50	1.121 / 1.123	60 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.

Page last updated: February 19, 2015



Vonberg Valve, Inc.
Hydraulic Valve Specialists

3800 Industrial Avenue • Rolling Meadows, IL 60008-1085 USA © 2015
phone: 847/259-3800 • fax 847/259-3997 • email: info@vonberg.com