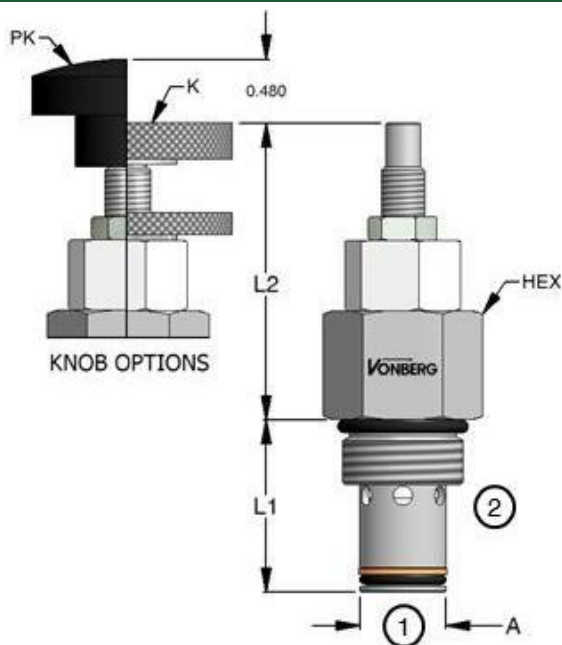
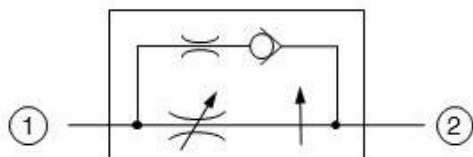


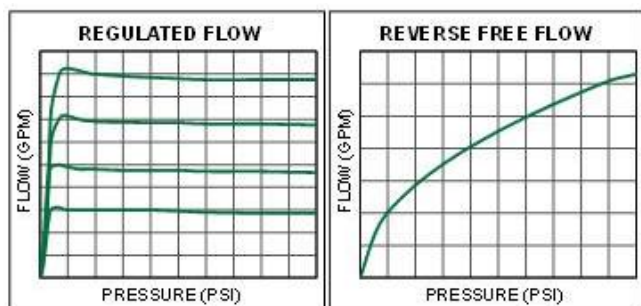
PRODUCT



SCHEMATIC



TYPICAL PERFORMANCE



DESCRIPTION

A PARTIALLY ADJUSTABLE, CARTRIDGE STYLE, PRESSURE-COMPENSATED, FLOW REGULATOR INTENDED FOR FIXED DISPLACEMENT HYDRAULIC CIRCUIT APPLICATIONS.

OPERATION

- THIS REGULATOR WILL MAINTAIN A CONSTANT FLOW RATE FROM (1) TO (2) THROUGHOUT A SPECIFIED PRESSURE RANGE.
- REVERSE FLOW PASSES THROUGH THE CONTROLLING ORIFICE AND IS UNCONTROLLED, PRODUCING A PRESSURE DIFFERENTIAL OF 120 PSI MAX. AT 150% OF CONTROLLED FLOW.
- COUNTERCLOCKWISE ADJUSTMENT TO INCREASE FLOW.

FEATURES

- **S.I.D.** SURGES INTERNALLY DAMPENED FEATURE IS OPTIONAL FOR LOAD LOWERING APPLICATIONS.
- STEEL BODY, STEEL INTERNALS.
- HYDRAULIC FLUIDS - GENERAL.
- INDUSTRY COMMON CAVITY.
- PARTIALLY ADJUSTABLE

SPECIFICATIONS

PRESSURE RANGE	120 PSI TO 3500 PSI
TEMPERATURE RANGE	250°F TO -40°F
FLOW TOLERANCE	+/- 10% (+/- 15% UNDER 1.5 GPM)
FLOW ADJUSTMENT RANGE	+/- 25% OF NOMINAL FLOW

ORDERING INFORMATION

SERIES NUMBER 28
 PORT SIZE XX
 ADJUSTING SCREW X
 UNDAMPENED - BLANK
 DAMPENED (S.I.D.) - 1
 NOMINAL FLOW RATE (GPM) XX
 BODY PORT SIZE CODE XX
 BLANK..... CARTRIDGE ONLY
 SERIES CODE..... SEE "CARTRIDGE BODIES", X-2 SERIES

K..... 1.50" DIA. ADJ. KNOB WITH LOCKING KNOB**
 PK..... 1.375" DIA. PLASTIC ADJ. KNOB WITH LOCK NUT

** 5/64 HEX, 0.88 DIA. KNOB FOR MODEL 2806

Model	THREAD	FLOW RANGE	CAVITY	L1	L2 (MAX.)	HEX	A	TORQUE
2808	3/4 - 16	0.4 TO 6.0 GPM	8-2	1.10	2.20	0.88	0.495 / 0.497	20 ft-lbs
2810	7/8 - 14	0.5 TO 8.0 GPM	10-2	1.25	2.25	1.00	0.621 / 0.623	25 ft-lbs
2812	1 1/16 - 12	2.0 TO 15.0 GPM	12-2	1.81	2.75	1.25	0.870 / 0.873	40 ft-lbs
2816	1 5/16 - 12	2.0 TO 25.0 GPM	16-2	1.75	2.75	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.

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