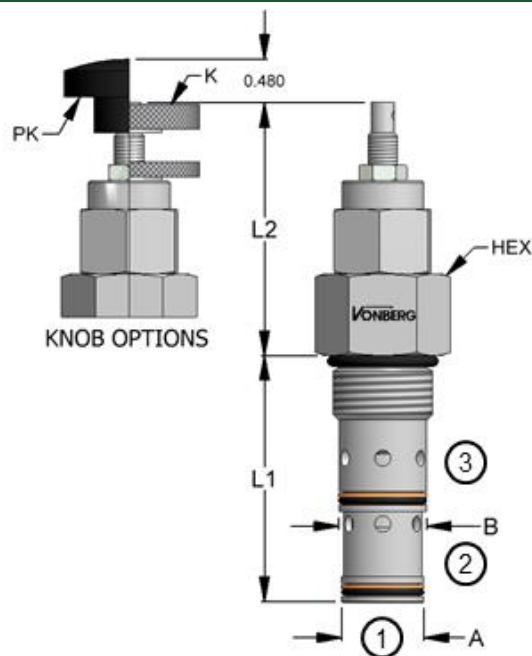
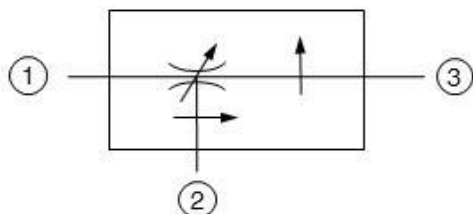


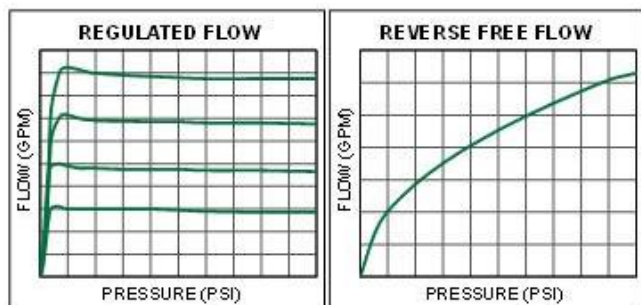
PRODUCT



SCHEMATIC



TYPICAL PERFORMANCE



DESCRIPTION

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

OPERATION

- THIS REGULATOR WILL MAINTAIN A CONSTANT FLOW RATE FROM (1) TO (3) THROUGHOUT A SPECIFIED PRESSURE RANGE.
- WHEN INLET FLOW EXCEEDS THE PRIORITY SETTING, THE SURPLUS FLOW IS DIVERTED TO (2), THE BYPASS.
- 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.
- FULLY ADJUSTABLE

SPECIFICATIONS

PRESSURE RANGE	50 PSI TO 3500 PSI
TEMPERATURE RANGE	250°F TO -40°F
FLOW TOLERANCE	+/- 10% (+/- 15% UNDER 1.5 GPM)

ORDERING INFORMATION

SERIES NUMBER	27	XX	X	-	X	-	XX	-	XX
PORT SIZE									
ADJUSTING SCREW									
BLANK.....	1/8" SOCKET HEX WITH LOCK NUT								
K.....	1.50" DIA. ADJ. KNOB WITH LOCKING KNOB**								
PK.....	1.375" DIA. PLASTIC ADJ. KNOB WITH LOCK NUT								
UNDAMPENED - BLANK									
DAMPENED (S.I.D.) - 1									
PRESET FLOW RATE (OPTIONAL) (GPM)									
BODY PORT SIZE CODE									
BLANK.....	CARTRIDGE ONLY								
SERIES CODE.....	SEE "CARTRIDGE BODIES", X-3 SERIES								

MODEL	THREAD	FLOW RANGE	CAVITY	L1	L2 (MAX.)	HEX	A	B	TORQUE
2708	3/4 - 16	0.4 TO 5.0 GPM	8-3	1.60	1.95	0.88	0.558 / 0.560	0.621 / 0.623	20 ft-lbs
2710	7/8 - 14	0.5 TO 8.0 GPM	10-3	1.79	1.72	1.00	0.621 / 0.623	0.683 / 0.685	25 ft-lbs
2712	1 1/16 - 12	1.0 TO 15.0 GPM	12-3	2.63	2.30	1.25	0.870 / 0.873	0.933 / 0.935	40 ft-lbs
2716	1 5/16 - 12	2.0 TO 25.0 GPM	16-3	2.88	2.05	1.50	1.058 / 1.060	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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