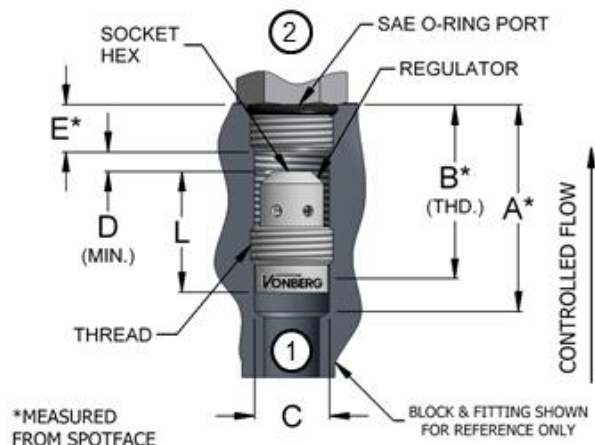


PRODUCT



DESCRIPTION

A NON-ADJUSTABLE, THREADED INSERTABLE IN-LINE, 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.

FEATURES

- **S.I.D.** SURGES INTERNALLY DAMPENED FEATURE IS OPTIONAL FOR LOAD LOWERING APPLICATIONS.
- STEEL BODY, STEEL INTERNALS.
- HYDRAULIC FLUIDS - GENERAL.
- NO INTERNAL PACKINGS

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

65	XX	-X	-XX
SERIES NUMBER	PORT SIZE	UNDAMPENED - BLANK	DAMPENED (S.I.D.) - 1
			REGULATED FLOW RATE (GPM)

Model	THREAD	FLOW RANGE	L	A	B	C	D	E	HEX	TORQUE
6506	9/16 - 18	0.25 TO 2.5 GPM	0.875	1.50	1.22	0.502 - 0.515	0.10	0.391	0.187	5 ft-lbs
6508	3/4 - 16	0.5 TO 5.0 GPM	1.100	1.90	1.46	0.682 - 0.696	0.18	0.438	0.250	8 ft-lbs
6510	7/8 - 14	0.5 TO 15.0 GPM	1.100	2.12	1.58	0.798 - 0.814	0.25	0.500	0.250	12 ft-lbs
6512	1 1/16 - 12	1.0 TO 20.0 GPM	1.780	3.00	2.24	0.972 - 0.990	0.31	0.594	0.312	18 ft-lbs
6516	1 5/16 - 12	1.0 TO 25.0 GPM	1.875	3.25	2.42	1.222 - 1.240	0.38	0.594	0.375	30 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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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