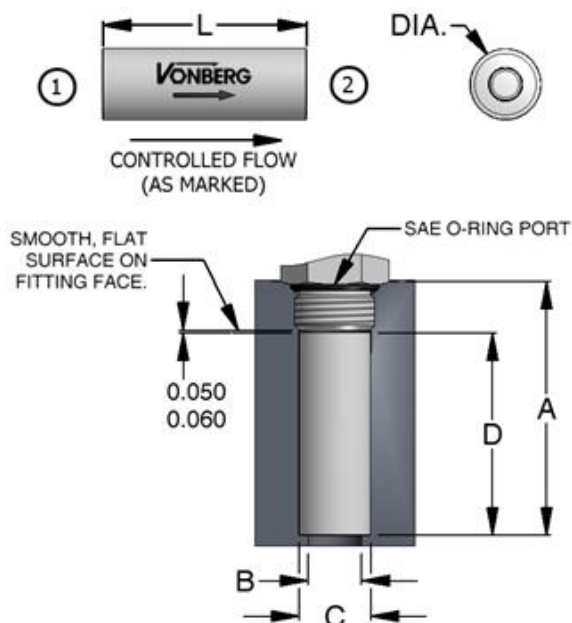
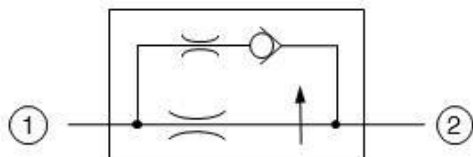


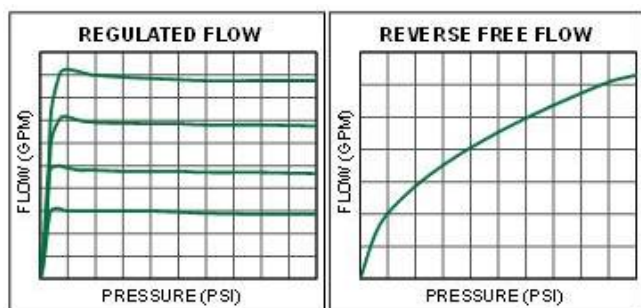
PRODUCT



SCHEMATIC



TYPICAL PERFORMANCE



DESCRIPTION

AN IN-LINE, SLIP-IN CARTRIDGE, PRESSURE-COMPENSATED, NONADJUSTABLE FLOW REGULATOR INTENDED FOR FIXED DISPLACEMENT HYDRAULIC CIRCUIT APPLICATIONS.

OPERATION

- IN THE CONTROLLED DIRECTION THIS REGULATOR WILL MAINTAIN A CONSTANT FLOW RATE 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.
- BORE DEPTHS ASSUME THE USE OF A STD. O-RING BOSS CONNECTOR WITH THREAD LENGTHS BASED ON SAE J514.
- CARTRIDGE BODY SEATS ON SMOOTH, FLAT SURFACE OF FITTING IN THE REGULATED FLOW DIRECTION.

FEATURES

- **S.I.D.** SURGES INTERNALLY DAMPENED FEATURE IS OPTIONAL FOR LOAD LOWERING APPLICATIONS.
- ALUMINUM 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

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

Model	VALVE DIA.	FLOW RANGE	L	A	B (MAX.)	C	D
1508	0.670	0.25 TO 8.0 GPM	1.90	2.40 / 2.41	0.500	0.672 / 0.677	1.96 / 1.97
1510	0.795	0.5 TO 15.0 GPM	2.03	2.59 / 2.60	0.625	0.797 / 0.802	2.09 / 2.10
1512	0.970	1.0 TO 30.0 GPM	2.78	3.43 / 3.44	0.812	0.972 / 0.977	2.84 / 2.85
1514	1.095	1.0 TO 30.0 GPM	3.00	3.65 / 3.66	0.812	1.097 / 1.102	3.06 / 3.07
1516	1.220	2.0 TO 50.0 GPM	3.19	3.84 / 3.85	0.937	1.222 / 1.227	3.24 / 3.25
1524	1.783	5.0 TO 75.0 GPM	3.25	3.90 / 3.91	1.437	1.787 / 1.792	3.31 / 3.32

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