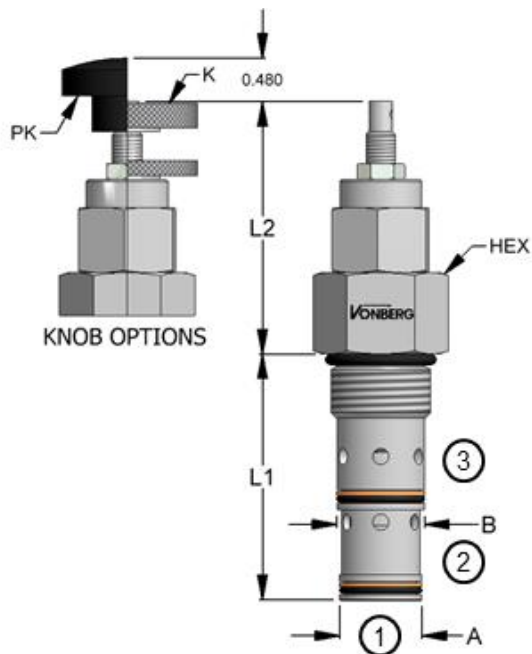


PRODUCT



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.
- PARTIALLY 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

29	XX	X	-	X	-	XX	-	XX
SERIES NUMBER	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
2908	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
2910	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
2912	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
2916	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

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