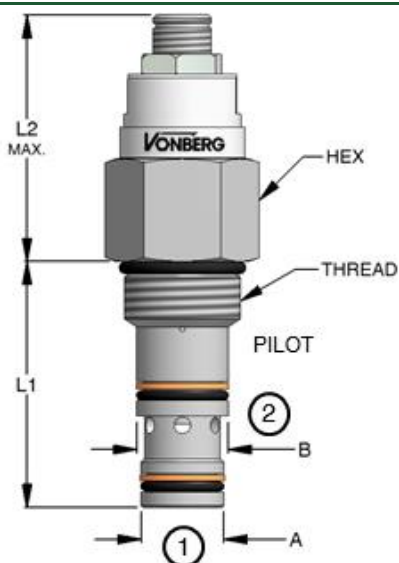


PRODUCT



DESCRIPTION

A CARTRIDGE STYLE, THREE PORT, PILOT TO OPEN COUNTERBALANCE VALVE WITH AN INTERNALLY VENTED SPRING CHAMBER AND FREE REVERSE FLOW CHECK, INTENDED FOR MOTION CONTROL AND OVER-CENTER LOAD HOLDING APPLICATIONS.

OPERATION

- FLOW FROM (2) TO (1) IS ALLOWED WITH A STANDARD CRACK PRESSURE OF 25 PSI.
- FLOW FROM (1) TO (2) IS BLOCKED UNTIL THE RELIEF PRESSURE SETTING HAS BEEN EXCEEDED.
- FLOW FROM (1) TO (2) IS BLOCKED UNTIL A PILOT PRESSURE INVERSELY PROPORTIONAL TO THE LOAD PRESSURE IS APPLIED TO THE PILOT PORT.
- BACK PRESSURE AT PORT (2) IS ADDITIVE TO RELIEF SETTING.

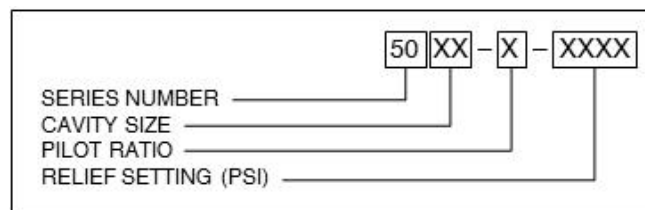
FEATURES

- ADJUSTABLE WITH LOCKING NUT.
- CLOCKWISE ADJUSTMENT TO INCREASE RELIEF SETTING.
- SEALED PILOT PISTON, LOW INTERNAL LEAKAGE.
- QUIET, STABLE OPERATION.
- INDUSTRY COMMON CAVITY.
- LOW RELIEF HYSTERESIS.
- PILOT RATIOS UP TO 10:1 AVAILABLE (HIGHER PILOT RATIOS MAY REDUCE FLOW CAPACITY)

SPECIFICATIONS

OPERATING PRESSURE	5000 PSI
TEMPERATURE RANGE	250°F TO -40°F
RELIEF TOLERANCE	+/- 10%
INTERNAL LEAKAGE	5 DROPS/MIN. MAX.
STANDARD CRACK PRESSURE	25 PSI
RELIEF SETTING RANGE	500 - 5000 PSI

ORDERING INFORMATION



MODEL	THREAD	FLOW CAPACITY	CAVITY	L1	L2 (MAX.)	HEX	A	B	TORQUE
5006	9/16 - 18	3.0 GPM	FC06-3	1.23	1.30	0.69	0.438 / 0.439	0.467 / 0.468	15 ft-lbs
5008	3/4 - 16	7.0 GPM	VC08-3	1.63	1.38	0.88	0.558 / 0.560	0.621 / 0.623	20 ft-lbs
5010	7/8 - 14	15.0 GPM	VC10-3	1.85	1.78	1.00	0.621 / 0.623	0.683 / 0.685	25 ft-lbs
5010S	7/8 - 14	15.0 GPM	VC10-S3	1.85	2.00	1.00	0.683 / 0.685	0.746 / 0.748	25 ft-lbs
5012	1 1/16 - 12	25.0 GPM	C12-3S	2.25	1.78	1.25	0.870 / 0.873	0.933 / 0.935	40 ft-lbs

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