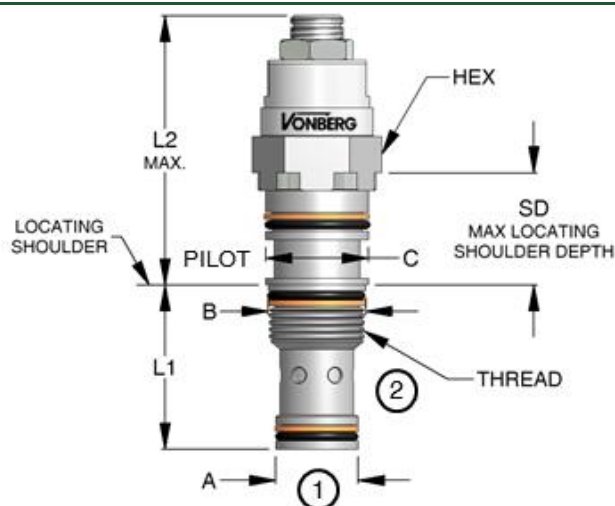


PRODUCT



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.

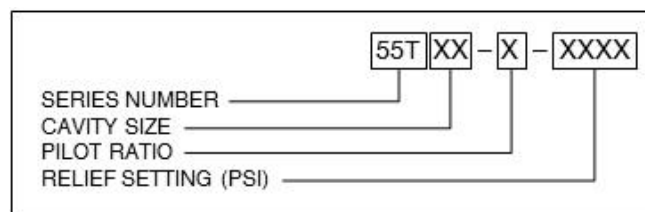
FEATURES

- ADJUSTABLE WITH LOCKING NUT.
- CLOCKWISE ADJUSTMENT TO INCREASE RELIEF SETTING.
- SEALED PILOT PISTON, LOW INTERNAL LEAKAGE.
- QUIET, STABLE OPERATION.
- 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	C	SD (MAX.)	TORQUE
55T163	M16 X 1.5	5.0 GPM	T-163A	1.22	1.80	0.750	0.512 / 0.513	0.653 / 0.654	0.700 / 0.701	0.650	20 ft-lbs
55T11	M20 X 1.5	15.0 GPM	T-11A	1.38	2.25	0.938	0.683 / 0.685	0.807 / 0.809	0.855 / 0.857	0.850	30 ft-lbs
55T2	1-14	25.0 GPM	T-2A	1.38	2.50	1.125	0.871 / 0.873	1.027 / 1.029	1.074 / 1.076	0.870	45 ft-lbs

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