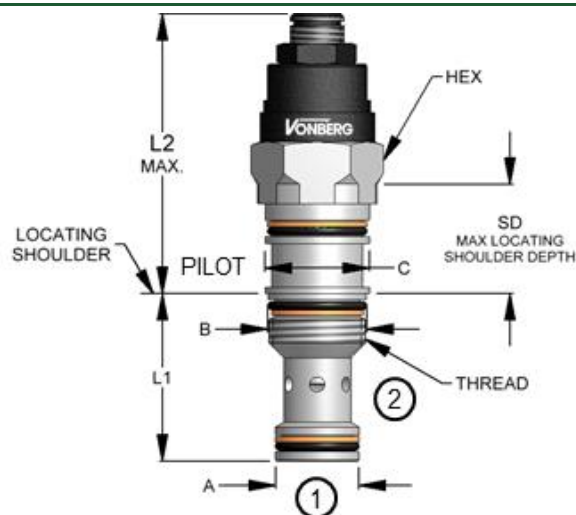


PRODUCT



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.

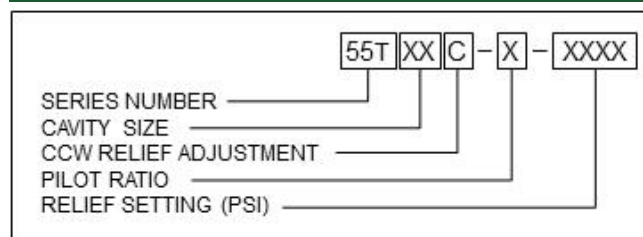
FEATURES

- ADJUSTABLE WITH LOCKING NUT.
- COUNTERCLOCKWISE 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
55T11C	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

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.

Page last updated: December 01, 2016