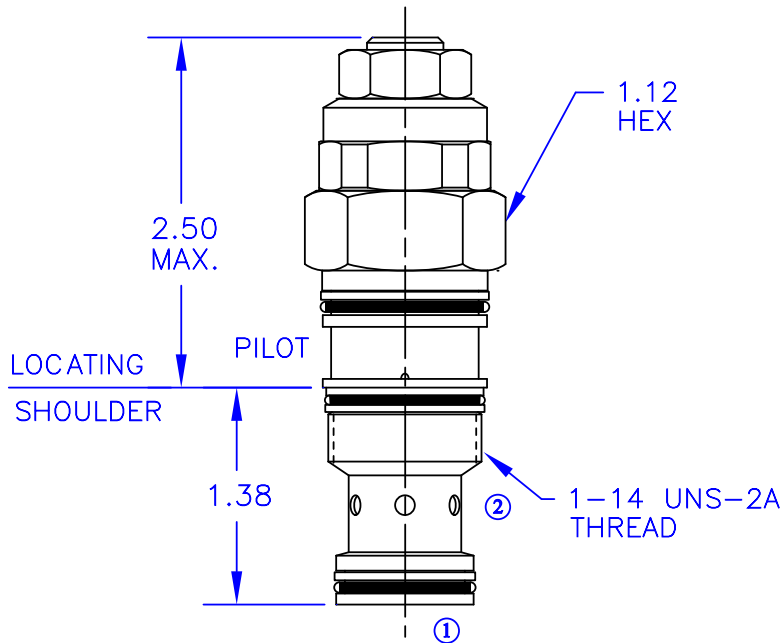




# COUNTERBALANCE

## INTERNALLY VENTED CARTRIDGE

55T2



### STYLE

- CARTRIDGE VALVE WITH AN INTERNALLY VENTED SPRING CHAMBER.

### DESCRIPTION

- THREE PORT, PILOT TO OPEN ASSIST COUNTERBALANCE VALVE WITH FREE REVERSE CHECK. INTENDED FOR MOTION CONTROL AND OVER CENTER LOAD HOLDING APPLICATIONS.

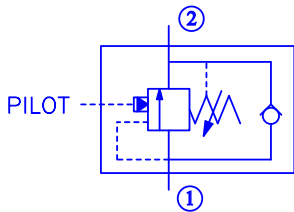
### OPERATION

- 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
- LOW LEAKAGE
- SEALED PILOT PISTON
- QUIET STABLE OPERATION
- LOW RELIEF VALVE HYSTERESIS
- PILOT RATIOS TO 10:1 AVAILABLE (\*HIGHER PILOT RATIOS MAY REDUCE FLOW CAPACITY, CONSULT FACTORY)

### - SPECIFICATIONS -

HYDRAULIC SYMBOL	
CAVITY	T-2A
FLOW CAPACITY	25 GPM*
RELIEF ADJUSTMENT	500 - 3500 PSI
CRACK PRESSURE	25 PSI
OPERATING PRESSURE	5000 PSI
TEMPERATURE RANGE	250°F TO -40°F
LEAKAGE	5 DROPS/MIN. MAX.
ALL DIMENSIONS IN INCHES	

### - ORDERING INFORMATION -

ASSEMBLY NUMBER	55T2-X-XXXX
SERIES NUMBER	_____
CAVITY	_____
PILOT RATIO	_____
RELIEF SETTING (PSI)	_____

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