



SEE DRAWING VM-7914S2V-M FOR STANDARD MATERIALS OF CONSTRUCTION.

DIMENSIONS, INCHES								
VALVE SIZE	CWP PSI	A	B	C	D	F	G	H
14	150	31.00	18.75	21.00	1.38	51.63	45.17	53.13

2-STAGE OIL CUSHION PRINCIPLE OF OPERATION

During closure, the oil cylinder controls the speed of closure in two stages:

1. As the check valve closes, oil from the bottom port of the cylinder is controlled by the Flow Control Valve (63), typically 2 to 5 seconds.
2. During the last 10% of travel, the closure is controlled using the internal cushion adjustment, typically 1 to 3 seconds.

Revised 8-27-14 (2)

SWING CHECK VALVE WITH SIDE MOUNTED 2-STAGE OIL CUSHION (VERTICAL MOUNT)

DATE 10-7-13

VAL-MATIC

VALVE AND MANUFACTURING CORP.

DRWG. NO.

VMC-7914S2V