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MIDLAND SERVICE BULLETIN

SUBJECT: Vented Ball 520-30-MO For Assembly in A-520 & A-522 Series Ball Valves

REPLACES: All 520-3-MO balls

PRODUCTS EFFECTED:

Previous Model Number	New Model Number
A-520-C1-CS	A-520-C2-CS
A-520-C1-CS-SJ	A-520-C2-CS-SJ
A-520-C1-CS-SJ-ST	A-520-C2-CS-SJ-ST
A-520-C1-MO	A-520-C2-MO
A-520-C1-MO-SJ	A-520-C2-MO-SJ
A-520-C1-MO-SJ-ST	A-520-C2-MO-SJ-ST
A-522-C1-CS	A-522-C2-CS
A-522-C1-CS-SJ	A-522-C2-CS-SJ
A-522-C1-CS-SJ-ST	A-522-C2-CS-SJ-ST
A-522-C1-MO	A-522-C2-MO
A-522-C1-MO-SJ	A-522-C2-MO-SJ
A-522-C1-MO-SJ-ST	A-522-C2-MO-SJ-ST

OTHER COMPONENTS REQUIRED: None

As part of Midland's practice of continuous improvement, we have made a change to our bottom outlet ball valve. The previous ball (p/n 520-3-MO) is replaced with a new ball (p/n 520-30-MO). The new ball is a direct replacement for the previous 520-3-MO. No additional parts are needed.

The new vented ball allows pressure trapped in the interior of the valve to escape towards the tank.

The new vented ball (p/n 520-30-MO) **MUST BE INSTALLED WITH THE SMALL VENT HOLE POINTING TOWARDS THE TANK.**

DESCRIPTION

The vented Ball 520-30-MO should be assembled in valve with vent hole facing top of the valve which is TANK CAR SIDE. When the valve is closed the hole is visible from top. The reason for vent hole is to release internal pressure from valve to tank.

Top view of ball shown



Notice marking on Ball next to vent hole
"TANK CAR SIDE ONLY"



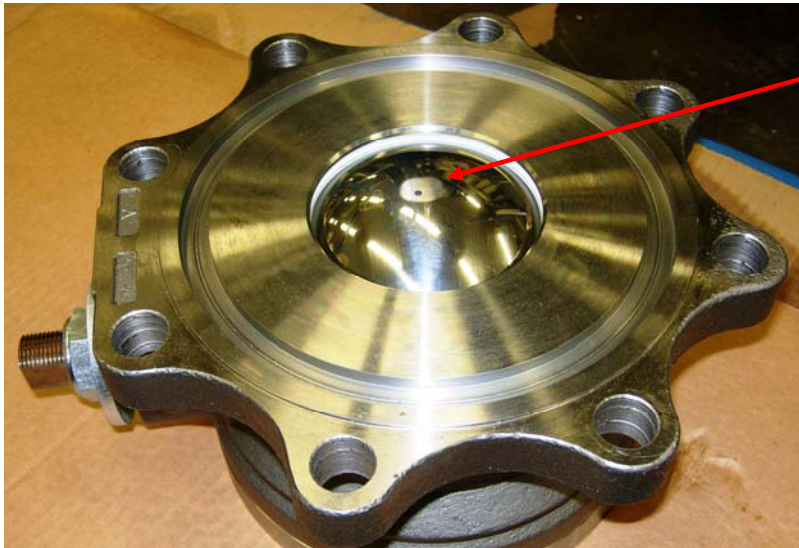
Assembly in valve body



Body flange
facing down

Marking is on bottom of Ball

Complete valve assembly (valve closed).



Vent hole

If there are any questions regarding the installation of the ball into the valve, please do not hesitate to contact Midland Manufacturing for further information.