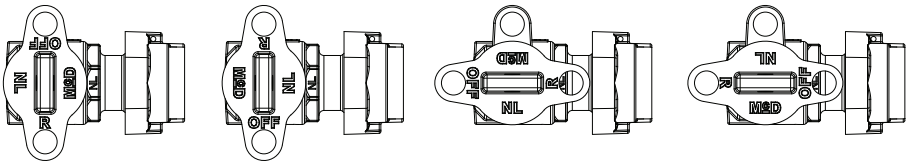
IMPORTANT NOTICE - READ CAREFULLY

Restricted Flow Ball Valves

1. Keep valve clean and free from dirt and debris.
2. Protect valve from freezing, which may distort ball. In the event the valve does freeze, do not forcibly try to open or close the valve while the valve is frozen. This may destroy the valve.
3. Use a snug fitting smooth jaw wrench on the wrenching flat nearest the tightened end. Do not wrench the body/endpiece joint.
4. Always use an approved sealant or teflon tape on tapered pipe threads.
5. If valve has compression style connection, read connection instruction sheet prior to installation.
6. If the "OFF" lockwing on the cap is overtop of the lockwing on the body (image 1 below), the valve is completely closed. If the "R" lockwing on the cap is overtop of the lockwing on the body (image 2 below), the valve is in restricted flow operation and will let minimal water flow through for humanitarian purposes. If the lockwings are in line with the waterline (image 3 or 4 to the right), then the valve is completely open. The restricted flow valve has no turning restraints (checks) and may be turned either direction to open or close.



1 = OFF 2 = RESTRICTED 3 = ON 4 = ON

7. **Ball valves generally require low turning torques.**
8. All valves must be operated in the fully opened, fully closed, or restricted flow position. Attempts to throttle flow by operating the valve in a partially open position may destroy the valve.
9. **PRESSURE TEST FOR LEAKS BEFORE BACKFILLING.**
10. **USE ONLY ON COLD WATER SERVICES.**

(OVER)

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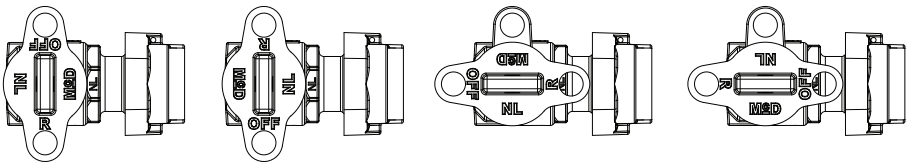

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IMPORTANT NOTICE - READ CAREFULLY

Restricted Flow Ball Valves

A.Y. McDonald waterworks products are designed for reliable service.
Like all brass products, however, they can be damaged by improper handling and use.

CAUTIONS

1. Protect threads. Avoid loose fitting wrenches. Do not drop or impact.
2. Use extra care with high water pressures (over 100 PSIG) and pipe or tubing over 1". Consult factory if desired.
3. Inspect and test all joints, valves and fittings before backfilling.
4. Backfill carefully so as to avoid damage to the service line and connections. Looping of the service lines is recommended to minimize strain.
5. DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or O-rings.

Damage caused by improper use and/or handling will void our warranty

CAUTION: This valve can create a restricted water flow and line pressure fluctuation that may affect some water-consuming appliances. The end user of this valve takes full responsibility for any resulting damage to such appliances. A.Y. McDonald Mfg. Co. is not responsible for any damage downstream of the valve that may occur.

(OVER)

WARNING: It is unlawful in **CALIFORNIA & VERMONT (effective 1/1/2010); MARYLAND (effective 1/1/2012); LOUISIANA (effective 1/1/2013) and the UNITED STATES OF AMERICA (effective 1/4/2014)** to use any product in the installation or repair of any public water system or any plumbing in a facility or system that provides water for human consumption if the wetted surface area of the product has a weighted average lead content greater than 0.25%. This prohibition does not extend to service saddles used in California, Louisiana or under USA Public Law 111-380.

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