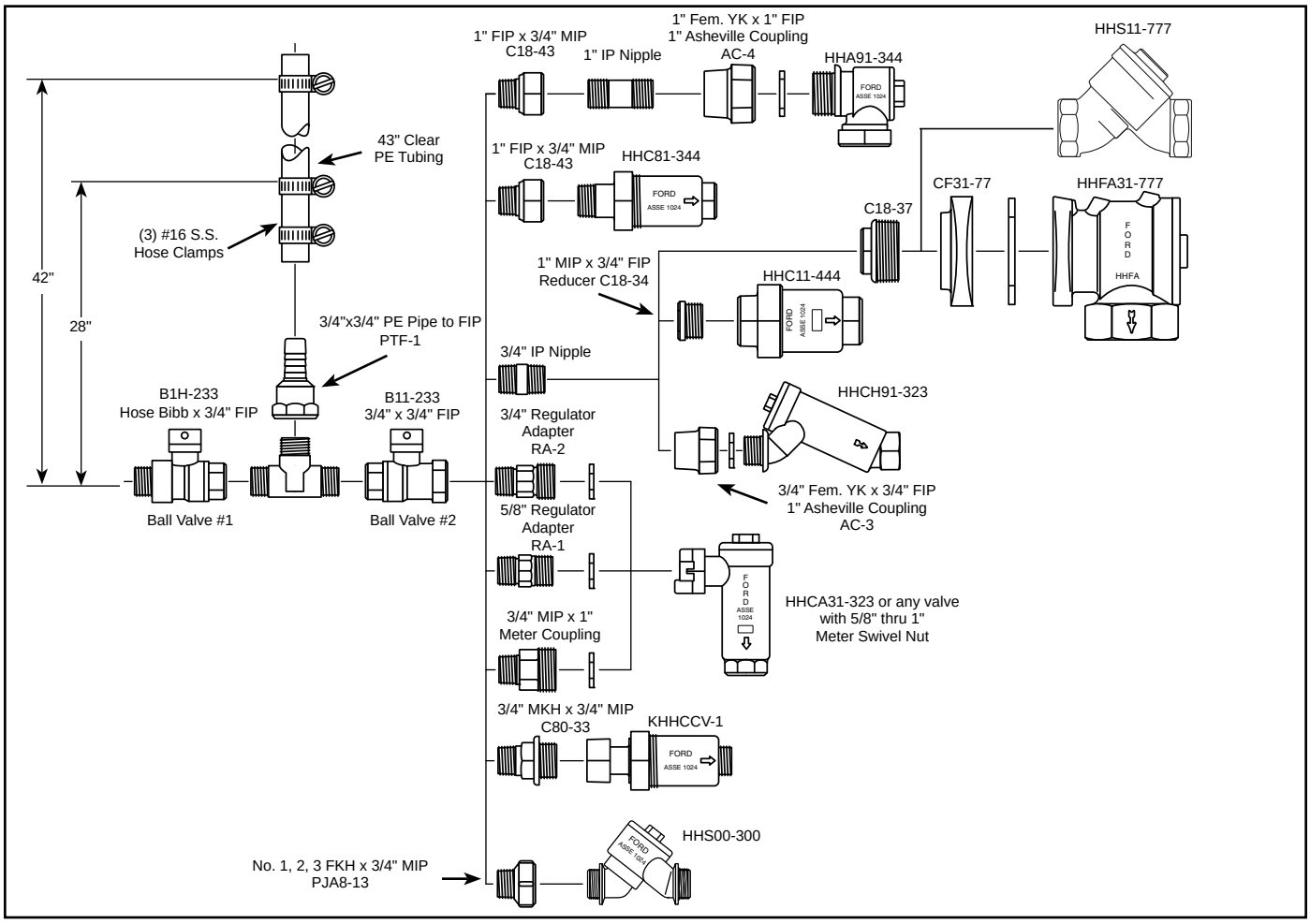
February 2008

Check Valve
Field Testing Instructions



1. Assemble the Field Testing Kit per the drawing shown above. Make sure all connections are watertight. Use gaskets where applicable i.e. meter and yoke ends.
2. Remove the Dual Check Valve from the water service line and connect to Ball Valve #2 using the appropriate fittings as shown above.
3. Connect the Field Testing Kit to a water source by use of a garden hose bibb thread on Ball Valve #1.
4. Uncoil the clear plastic “Sight Tubing” and support it in a vertical position. Place hose clamps at 42" and 28" from the centerline of the Tee.
5. Shut off #1 Ball Valve and open #2 Ball Valve. Turn on the water source.
6. Slowly open #1 Ball Valve. Fill the fittings and the Check Valve being tested with water, making sure to purge all air from the fittings and valves. If necessary, seal the top of the “Sight Tubing” with your thumb to force the poppets to open in the Check Valve until all air has been purged from the Check Valve.
7. Shut off both Ball Valves. Open the #1 Ball Valve and fill the clear tubing to the 42" hose clamp and shut off Valve #1.
8. Slowly open #2 Ball Valve. If the water remains above the 28" hose clamp after 5 minutes, the Check Valve is functioning properly. If the water column goes below 28", the checks may be fouled and/or seals may be damaged.
9. Inspect seals and seats for damage or wear and remove any debris that could foul the checks. Re-assemble and retest per Steps 5 – 8. If the Check Valve continues to fail the test, replace the cartridges (for Cartridge Dual Check Valves) or poppets (for Cascading Check Valves).
10. Reinstall Check Valve into service line making sure of the proper direction of flow.

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