



514 Series Gate Valve Installation Guide

Grit, Dirt or any foreign matter accumulated in the pipe can hinder the efficient valve operation and seriously damage vital valve parts. Thoroughly clean pipe with air or steam or water and make sure waterway is clear.

When threading pipe, gage pipe threads for size and length to avoid jamming pipe against seat and disc. Thoroughly clean threaded end to remove and harmful steel or iron deposits. Apply pipe dope sparingly on pipe threads, *never* on valve threads. Do not allow any pipe dope into the valve body in order to avoid damage to the disc seat.

Before installation, check line of flow through the valve so that the valve will operate properly. Close valve completely before installation. Apply wrench to hex next to pipe and guard against possible distortion. After installation of the valve, support line; a sagging pipeline can distort the valve and cause failure.

If necessary, the only maintenance required would be replacement of the Graphite stem packing. Upstream pressure should be reduced prior to replacement. Loosen packing nut and remove packing gland. Remove old packing with packing pick. Replace with manufacturer supplied replacement packing. Install packing Gland. Tighten Packing nut until Turning Handwheel offers resistance. Recheck and tighten as required after system is pressured up.

There are no special tools required for the installation or maintenance of the valve series. Standard plumbing equipment only.