



Specified Fittings, LLC

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May 20, 2010

Re: PVC Knife gate

To whom it may concern:

This letter is intended to describe the materials and construction of PVC Knife Gates, as fabricated by Specified Fittings.

Two exterior PVC plates are held apart with PVC spacer shims. On the inside, a SBR Rubber O-ring rests in a machined groove on either side of a PVC plate forming a water tight closure when shut. The PVC closure plate forms a tight fit between the two seated o-rings and can be raised to allow passage of fluid through the fitting. The gate is designed so that even when full raised it maintains contact with the o-ring, eliminating the possibility of gasket displacement during opening and closing the gate. The two exterior housing plates and the spacer shims that make up the body's side walls are secured with stainless steel hardware and all seams are welded for water-tightness. The lift rod used for operating the gate shall be stainless steel. PVC female sockets are installed with solvent and hot-air welding to the exterior plates. All PVC material shall be of cell classification 12454 as per ASTM D1784. Gates of this size are not rated for pressure applications. All manufacturing shall occur in the United States at our Bellingham Washington location.

If you have any questions, please contact me.

Thank You,
Brad Sukolsky
Specified Fittings