



## Steaming a Valve in Place

The customer does a Steam in Place process for cleaning and sterilization. The temperature of the steam is 250°F. Can the valve be subjected to this temperature?

1. AP3045 Ball Valve ( Banjo FDA union valve ball Part # UV204FPF2) - Max temp 150°F
2. AP3305 Gate Valve (Valterra Products, Gate Valve (SKU 7218).- Max Temp 205°F
3. AP3057 Butterfly Valve (Flexivalve)- Read Below

We have lots of customers steaming valves in different applications and circumstances. All the materials used are approved for food use (FDA) and even at elevated temperatures the materials are extremely unlikely to leach any chemicals.

Mechanically, depending on pressure and given enough time the plastic will soften under heating and eventually distort (particularly if there is pressure just one side of the valve). Generally speaking, we advise using higher temperatures for short periods rather than steaming for long periods.

The `unofficial` answer is yes, the valve is a very robust product and for a short period it should be fine – but it is down to the customer to test for their own application.