

Decontamination Port Fitting Options (typically mounted on the Square-to-round transitions that are located immediately adjacent to the filter section)



The standard decontamination port supplied with CTC filter housings is the 1.25" partial-bore ball valve. This T304 stainless-steel ball valve has a 0.75" opening, more than sufficient to permit connection to a Certek™ paraformaldehyde generator unit. This is the industry-standard decon unit used by Canadian contractors for decontamination of bio-safety cabinets and similar enclosures using paraformaldehyde gas.



Sometimes the engineer or customer wants a decon port that can be used with either paraformaldehyde (Certek™ generator or similar) or with a Hydrogen-Peroxide decon (Bioquell™ or similar HO₃ generator). In those cases we will typically employ a 2" full-bore ball valve with a camlock coupling. (The camlock is required for coupling to the Bioquell™ unit.) A plug is provided to keep the camlock fitting free of dust and other contaminants. This 2" full-bore port is a good selection for decon port when the customer is not sure which decon procedure will be employed.



On large multi-filter containment systems we will sometimes utilize a 3" butterfly valve, like the one pictured at left. Again this is only required if a HO₃ type generator is being used for decon of the system. Otherwise, a 1"-2" ball-valve is quite adequate for any Paraformaldehyde type decon generator. Obviously, these large butterfly valves are significantly more expensive to mount on a containment system, and should only be specified on larger multi-filter systems when the customer is planning to decon using a HO₃ type generator.