

Value-Added Value Engineered

Water Sterilization System



Situation:

A water filtration system OEM was facing a problem with a complicated plumbing system for an under-sink modular RO system. The system employed plastic clips for fastening the membrane housings together but featured no mounting bracket or plate for securing the system to an installation surface. The feed, tank, faucet, and drain circuits were labeled to assist the installer with properly connecting the system, but only two conveyance tube colors were used throughout. See Figure 1.

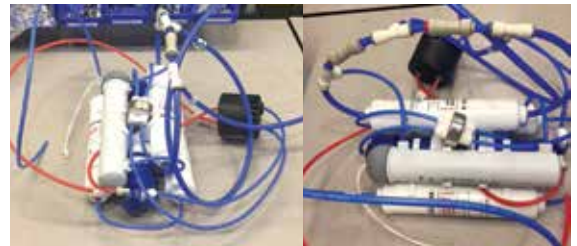


Figure 1

Solution:

Using LIQUIfit™ fittings, EA Series antimicrobial tubing utilizes Value-Added Value Engineering resources, Parker reconfigured the system with improved tube routing for the feed, tank, faucet and drain circuits, eliminating three fittings, one check valve, and nine inches of tubing. This reduced the number of connections from 30 to 12 for a 60% reduction of potential leak points. The neater flow path further cut the risk of pinched, kinked or snagged tubing. Additionally, the four individual water circuits are now color coded for easier identification, installation, troubleshooting and servicing. Parker then recommended mounting the entire assembly to an aluminum back plate to aid installation in tight cabinet spaces. See Figure 2.



Figure 2

Contact Information:

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Benefits:

- 60% reduction in potential leak paths
- Reduced risk of pinched, kinked or snagged tubing
- Faster installation, troubleshooting, and servicing

Success Factors:

- Parker's broad portfolio of product solutions
- Engineering focus to develop innovative solutions
- Local field sales support to coordinate with customer



ENGINEERING YOUR SUCCESS.